Historical Commercial Catch Statistics for Pacific Salmon (*Oncorhynchus* spp.) in British Columbia, 1828 to 1950

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by

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TABLE OF CONTENTS

Page

TABLE OF CONTENTS iii
LIST OF FIGURES v
LIST OF TABLES ix
LIST OF ACRONYMS xiii
ABSTRACT xiv
RÉSUMÉ xv
1. INTRODUCTION 1
  1.1. Coverage 2
  1.2. Early Historical Background 4
    1.2.1. Aboriginal Fisheries 4
    1.2.2. Arrival of the Europeans 5
    1.2.3. Subsistence Use by the Fur Traders 5
    1.2.4. Hudson's Bay Company Salting Operations 6
    1.2.5. Production by Non-HBC Entrepreneurs 6
    1.2.6. Large Scale Commercial Fishing Expands 7
    1.2.7. Recreational Fishing 8
  1.3. Development of Fishery Statistics 9
2. METHODS 10
  2.1. General Approach for Estimating Green Landed Weight 11
    2.1.1. Canned Pack and Product Quantities 12
    2.1.2. Conversion Factors 12
    2.1.3. Species composition 12
    2.1.4. Transfers 13
  2.2. Estimating Numbers of Salmon 14
3. RESULTS 15
  3.1. Landed Weight (GLW) of Salmon in the British Columbia Commercial Harvest for Five Time Periods 15
    3.1.1. 1828–1875, Commercial Harvest by HBC & Non-HBC Entrepreneurs 15
    3.1.2. 1876-1900, Large Scale Commercial Fishing Begins 17
      3.1.2.1. Beginning of formal statistics 17
      3.1.2.2. 1876-1900 GLW, canned packs and products 17
    3.1.3. 1901-1922, Continued Commercial Expansion 19
      3.1.3.1. Improved reporting of GLW and emergence of the transfer problem 19
      3.1.3.2. 1901-1922 GLW, canned packs and products 20
    3.1.4. 1923-1929, The First Peak in Commercial Landings, ... 22
      3.1.4.1. Transition in statistical procedures 22
      3.1.4.2. 1923-1929 GLW, canned packs and products 22
    3.1.5. An "Accounting" Check, 1876-1929 23

3.1.6. 1930-1950, The Fishery Matures 24
3.1.6.1. Procedures for District I 24
3.1.6.2. Procedures for District II 25
3.1.6.3. Procedures for District III 25
3.1.6.4. 1930-1950, GLW, canned packs and products 25
3.2. Numbers of Salmon in the British Columbia Commercial Harvest 26
3.2.1. Trends in Average Size 27
3.2.2. Average Weights used to Estimate Catch-in-Numbers 29
3.2.3. Comparison of Numbers Estimates for Sockeye, Pink and Chum 29
3.2.4. Comparison of Numbers Estimates for Coho, Chinook and Steelhead 32
3.2.4.1. Comparison of 1920-1933 data sets 33
3.2.4.2. Comparison of 1934-1948 data sets 34
3.3. Comparison of Landings Before and After Introduction of Sales Slips 36

4. DISCUSSION 37
4.1. Reliability and Completeness of Landed Weights 37
4.1.1. 1828-1875 37
4.1.2. 1876-1900 38
4.1.3. 1901-1922 40
4.1.4. 1923-1929 41
4.1.5. 1930-1950 42
4.1.6. The Need by 1950 for a New Statistical System 42
4.2. Numbers of Salmon in the Annual Commercial Harvest 43
4.2.1. Sockeye, Pink, Chum 44
4.2.2. Coho, Chinook, Steelhead 44
4.3. Trends in Salmon Harvests 45
4.3.1. Canned Pack 46
4.3.2. Fraser River Sockeye 46
4.3.3. Coastwide Salmon Abundance 47
4.4. Concluding Remarks 48

5. ACKNOWLEDGEMENTS 50

6. LITERATURE CITED 51

APPENDIX A. Pre-1951 files that were searched for information on historical salmon product/harvest statistics. 211

APPENDIX B. Data sources with examples of commercial product/harvest statistics, forms and schedules 247

APPENDIX C. Geographical divisions used to report product and harvest statistics 333

APPENDIX D. Development of landed weight:product weight conversion factors. 349

APPENDIX E. Estimation of species composition for the canned pack and other products 381

APPENDIX F. Procedures used to account for transfers of salmon between areas. 455

LIST OF FIGURES

Figure Page

1. Map showing areas used to present British Columbia salmon catch statistics in this report and seaward boundaries of Districts I, II and III. 59
2. Department of Fisheries statistical area boundaries in1951 (Anonymous 1951-1996) 60
3. Map of British Columbia statistical areas in use prior to 1951 from Burton (1949). 62
4. General approach to estimation of the landed weight of the pre-1951 commercial catch, by area, for salmon in British Columbia. 63
5. Average round weight of salmon caught in the British Columbia commercial fishery, by area, 1951-1954. 64
6. Average round weight (pounds) of salmon species in the British Columbia commercial catch. 65
7. Annual total British Columbia catch of salmon in tonnes, 1828 to 1950 in the top graph, and cumulated by species and presented as moving means by five, centred on the third year in the lower graph (steelhead indistinguishable). 66
8. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District I (Fraser River), 1828-1875. 67
9. Flow chart of analyses for estimation of GLW and numbers of salmon caught in Districts I-III, 1876-1900 68
10. Flow chart of analyses for estimation of GLW and numbers of salmon caught in Districts I-III, 1901-1922 69
11. Trends in the production of salmon products and canned salmon between 1876 and 1950 (data from Anonymous 1917-1950 and Anonymous 1958). 70
12. Flow chart of analyses for estimation of GLW and numbers of salmon caught in Districts I-III, 1923-1929, and District I, 1930-1932. 71
13. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District I, 1933-1944 72
14. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District II, 1930-1944. 73
15. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District III, 1930-1944. 74

16. Average round weight of sockeye, coho, pink and chum in Southeast Alaska commercial fisheries, 1910-1954, from Marshall and Quinn (1988). 75

17. Average round weight of Fraser River sockeye in commercial fisheries, 1892 to 1944, from Gilhousen (1992) and 1915 to 1954 from Killick and Clemens (1963). 76

18. Average numbers of sockeye, chinook, coho, pink and chum that were required to produce a case of canned salmon, 1906-1944. 77

19. Average numbers of pink and chum that were required to produce a case of canned salmon, 1927-1943, from Hoar (1951). 78

20. Comparison of average round weight between years prior to 1951 (white bars) and 1951-1954 (black bars). 79

21. British Columbia commercial sockeye, pink and chum catch-in-numbers from this report (solid line) and from DMF Annual Reports (solid squares). 80

22. British Columbia sockeye, pink and chum catch estimates from this report divided by catches from DMF Annual Reports. 81

23. Linear regressions of catch-in-numbers from DMF Annual Reports on catch-in-numbers from this report, for sockeye, pink and chum, 1920 to1948 82

24. British Columbia commercial chinook, coho and steelhead catch-in-numbers from this report (solid line) and from DMF Annual Reports (solid squares). 83

25. British Columbia coho, chinook and steelhead catch estimates from this report divided by catches from DMF Annual Reports. 84

26. Linear regressions of catch-in-numbers from DMF Annual Reports on catch-in-numbers from this report, for chinook, coho and steelhead, 1920 to 1948. 85

27. Relationships between coho and chinook catch-in-numbers from DMF Annual Reports and total catch-in-numbers from this report, 1920-1933 86

28. Linear regressions for coho and chinook catch-in-numbers from DMF Annual Reports on total catch-in-numbers from this report less total products (chinook and coho), and less fresh/frozen (chinook), 1920 to1933 87

29. Relationships between coho and chinook catch-in-numbers from DMF Annual Reports and total catch-in-numbers from this report, 1934-1948 88

30. Relationships between coho and chinook catch-in-numbers from DMF Annual Reports and total catch-in-numbers from this report less total products, 1934-1948. 89

31. Linear regressions of coho catch-in-numbers from DMF Annual Reports less troll catch from DMF Annual Reports on total catch-in-numbers from this report less products, 1934 to 1948. 90

32. Linear regressions of chinook catch-in-numbers from DMF Annual Reports less troll catch from DMF Annual Reports on total catch-in-numbers from this report less products (lower graph, mild cure included), 1934 to 1948. 91

33. Annual landings (log scale) of sockeye pink and chum salmon for northern areas for ten years before and after the sales slip statistical system was introduced in 1951. 92

34. Annual landings (log scale) of sockeye pink and chum salmon for southern areas for ten years before and after the sales slip statistical system was introduced in 1951. 93

35. Annual landings (log scale) of coho, chinook and steelhead salmon for northern areas for ten years before and after the sales slip statistical system was introduced in 1951. 94

36. Annual landings (log scale) of coho, chinook and steelhead salmon for southern areas for ten years before and after the sales slip statistical system was introduced in 1951. 95

37. Annual west coast of Vancouver Island (WCVI) and Queen Charlotte Islands (QCI) landings of coho and chinook salmon for ten years before and after the sales slip statistical system was introduced in 1951. 96

38. Annual Skeena River landings of coho and chinook salmon for ten years before and after the sales slip statistical system was introduced in 1951. 97

39. Annual Fraser River landings of coho and chinook salmon for ten years before and after the sales slip statistical system was introduced in 1951. 98

40. Relationship between west coast Vancouver Island (WCVI) coho and chinook landings from this report (all gears) and WCVI troll landings reported in Milne (1964) for 1941-1950 and in Argue *et al.* (1987) for 1951-1960. 99

41. Evidence for Fraser River sockeye cyclic dominance of the 1901 brood year and 1902 subdominant year prior to 1915. Sum of the 1901 cycle year and 1902 subdominant year are the solid bars; clear bars are the sum of the two off years. 100

42. Annual total British Columbia catch of salmon in tonnes, 1828 to 2001 in the top graph, and cumulated by species and presented as moving means by five, centred on the third year in the lower graph (steelhead indistinguishable). 101

43. Annual British Columbia catch of all salmon species, 1873 to 2001. Catches are for areas north and south of Cape Caution. 102

44. Annual British Columbia catch of sockeye, pink and chum salmon, 1873 to 2001. 103

45. Annual British Columbia catch of coho and chinook salmon, 1873 to 2001. 104

LIST OF TABLES

Table **Page**

1. Factors used to convert canned pack and products to green landed weight (GLW). 105
2. Species composition of canned packs from 1901 to 1903 that were used to estimate species composition of canned packs prior to 1901. 106
3. Average percentage species composition of products, 1923 to 1930. 107
4. Quantities of pickled salmon produced at Fort Langley, 1828-1873. 108
5. Estimated total production and total exports of pickled and canned salmon in British Columbia, 1860-1875 as recorded in Government documents. 110
6. Estimation of amounts of salmon pickled and canned for trade in British Columbia, 1928-1875. 111
7. Queen Charlotte Islands pack of canned salmon and steelhead with estimates of equivalent landed weight, 1901 to 1929. 112
8. Nass River pack of canned salmon and steelhead with estimates of equivalent landed weight, 1881 to 1929. 114
9. Skeena River pack of canned salmon and steelhead with estimates of equivalent landed weight, 1877 to 1929. 116
10. North Coast pack of canned salmon and steelhead with estimates of equivalent landed weight, 1890 to 1929. 118
11. Rivers Inlet and Smith Inlet pack of canned salmon and steelhead with estimates of equivalent landed weight, 1882 to 1929. 120
12. Johnstone Strait pack of canned salmon and steelhead with estimates of equivalent landed weight, 1881 to 1932. 122
13. Strait of Georgia pack of canned salmon and steelhead with estimates of equivalent landed weight, 1906 to 1932. 124
14. Juan de Fuca Strait pack of canned salmon and steelhead with estimates of equivalent landed weight, 1905 to 1932. 126
15. West Coast of Vancouver Island pack of canned salmon and steelhead with estimates of equivalent landed weights, 1895 to 1932. 127
16. Fraser River pack of canned salmon and steelhead with estimates of equivalent landed weight, 1870 to 1932. 129

17. Queen Charlotte Islands salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1888-1929. 132

18. Nass River salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1878-1929. 134

19. Skeena River salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1877 to 1929. 136

20. North Coast salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1883-1929. 138

21. Rivers Inlet and Smith Inlet salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1882-1929. 140

22. Johnstone Strait salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1878-1932. 142

23. Strait of Georgia salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1883-1932. 144

24. Juan de Fuca Strait salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1877-1932. 146

25. West Coast of Vancouver Island salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1887-1932.......... 148

26. Fraser River salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1828-1932. 150

27. Comparison of B.C. product and canned pack amounts from Statistical Basebook No. 3 (Anonymous 1958) with product and canned pack amounts from Tables 7-26.......... 153

28. Queen Charlotte Islands commercial salmon and steelhead landings from schedules and transfer data, 1930-1950.......... 155

29. Nass River commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 156

30. Skeena River commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 157

31. North Coast commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 158

32. Rivers Inlet and Smith Inlet commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 159

33. Johnstone Strait commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 160

34. Strait of Georgia commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 161

35. Juan de Fuca Strait commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 162

36. West Coast of Vancouver Island commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950. 163

37. Fraser River (District I) commercial salmon and steelhead landings, from Schedules and transfer data, 1930-1950. 164

38. Catch and average round weight for sockeye salmon caught in the British Columbia commercial fishery, 1951-1954. 165

39. Catch and average round weight for pink salmon caught in the British Columbia commercial fishery, 1951-1954. 166

40. Catch and average round weight for chum salmon caught in the British Columbia commercial fishery, 1951-1954. 167

41. Catch and average round weight for coho salmon caught in the British Columbia commercial fishery, 1951-1954. 168

42. Catch and average round weight for chinook salmon caught in the British Columbia commercial fishery, 1951-1954. 169

43. Catch and average round weight for steelhead caught in the British Columbia commercial fishery, 1951-1954. 170

44. Queen Charlotte Islands (areas 1, 2E, 2W) commercial salmon and steelhead landings, 1888-1950, estimated from canned pack and product statistics. 171

45. Nass River (area 3) commercial salmon and steelhead landings, 1878-1950 estimated from canned pack and product statistics 173

46. Skeena River (area 4) commercial salmon and steelhead landings, 1877-1950, estimated from canned pack and product statistics 175

47. North Coast (areas 5-8) commercial salmon and steelhead landings, 1883-1950, estimated from canned pack and product statistics 177

48. Rivers Inlet and Smith Inlet (areas 9-10) commercial salmon and steelhead landings, 1882-1950, estimated from canned pack and product statistics. 179

49. Johnstone Strait (areas 11-13) commercial salmon and steelhead landings, 1878-1950, estimated from canned pack and product statistics. 181

50. Strait of Georgia (areas 14-18) commercial salmon and steelhead landings, 1883-1950, estimated from canned pack and product statistics. 183

51. Juan de Fuca Strait (areas 19-20) commercial salmon and steelhead landings, 1877-1950, estimated from canned pack and product statistics. 185

52. West Coast Vancouver Island (areas 21-27) commercial salmon and steelhead landings, 1887-1950, estimated from canned pack and product statistics. 187

53. Fraser River (areas 28-29A,B,C,D,E) commercial salmon and steelhead landings, 1828-1950, estimated from canned pack and product statistics. 189

54. British Columbia commercial salmon and steelhead landings, 1828-1950, estimated from canned pack and product statistics. 193

55. Total British Columbia green landed weights (in 1,000 lb) of salmon processed in different forms, 1876-1929. 197

56. British Columbia commercial salmon and steelhead landings in numbers of fish, 1920-1948, from DMF Annual Reports and as estimated from canned pack and product statistics in Table 54. 199

57. Results from regressions of average fish weights and fish per case of canned salmon on years. 200

58. Results from regressions of average fish weights and fish per case of canned salmon on years that bridge 1950. 201

59. Results from regressions of catch-in-numbers for coho and chinook from DMF Annual Reports on coho and chinook catches calculated from data in this report for 1920 to 1933. 202

60. Troll catch-in-numbers of chinook and coho and numbers of licensed trollers reported by DMF for all of British Columbia, 1920-1948. 203

61. Average salmon landings before and after the sales slip statistical system was introduced. 204

62. Percentage of total landings contributed by products other than canned salmon, 1876-1950. 206

63. British Columbia commercial salmon and steelhead landings, 1951-2000, from the DFO catch statistics database at the Pacific Biological Station (Wong 1983). 208

LIST OF ACRONYMS

cwt	Hundred weight i.e one cwt equals 100 pounds
DFO	Government of Canada, Department of Fisheries and Oceans
District I	Fraser River and Howe Sound area
District II	North Coast areas (i.e. north of Cape Caution)
District III	South Coast areas excluding District I
DMF	Government of Canada, Department of Marine and Fisheries
DBS	Government of Canada, Dominion Bureau of Statistics of the Department of Trade and Commerce
FCBC	Government of the Province of British Columbia, Fisheries Commissioner of British Columbia
FRC	Government of Canada, Federal Records Centres of Archives Canada
GLW	The round weight of salmon that was landed was referred to as "Green Landed Weight" and was presented in **cwt** in most federal publications prior to 1951
HBC	Hudson's Bay Company
IPSFC	International Pacific Salmon Fisheries Commission
PFY	Yearbooks of the Pacific Fisherman trade periodical
PSC	Pacific Salmon Commission
QCI	Queen Charlotte Islands
WCVI	west coast of Vancouver Island

ABSTRACT

Argue, A.W., and Shepard, M.P. 2005. Historical commercial catch statistics for Pacific Salmon (*Oncorhynchus* spp.) in British Columbia, 1828 to 1950. Can. Tech. Rep. Fish. Aquat. Sci. 2601: 595 p.

We compiled annual Pacific salmon (*Oncorhynchus* spp.) landings, by area, in weight and numbers of fish for the commercial salmon fishery in British Columbia from 1828 to 1950. This more than doubles the time series of harvest data for the British Columbia salmon fishery. These statistics are based on Hudson's Bay Company and Canadian government records of the volume of each product form (canned, fresh/frozen, pickled, salted, smoked, etc) obtained annually from upwards of 100 processors. Product forms are converted to landed weights by species and area using industry-standard conversion factors, measures of species composition for each product form, and adjustments for transfers between areas.

The report involved comprehensive analysis of the post-1875 statistical material on annual quantities of each product form. In less detail, the report covers fragmentary records of commercial production in years before 1876, beginning with commercial activities of the Hudson's Bay Company (1828) and the early independent entrepreneurs (1860). Coverage ends in 1950 the year before the then Department of Fisheries of the Canadian Government implemented the sales slip system for enumerating catches. Summary tables contain landed weights (tonnes) and catch-in-numbers, by species and year, for the commercial fishery for ten areas along the British Columbia coast. The reliability of the assembled data during different data collection periods is assessed.

RÉSUMÉ

Argue, A.W., and Shepard, M.P. 2005. Historical commercial catch statistics for Pacific Salmon (*Oncorhynchus* spp.) in British Columbia, 1828 to 1950. Can. Tech. Rep. Fish. Aquat. Sci. 2601: 595 p.

Dans ce rapport, nous avons compilé les prises de saumons du Pacifique (*Oncorhynchus* spp.) et nous les avons converties en poids et en nombre de poissons par région pour la pêche commerciale en Colombie-Britannique de 1828 à 1950. L'étendue de cette compilation représente presque le double de la durée au cours de laquelle des données ont été recueillies sur la pêche au saumon en Colombie-Britannique. Ces données statistiques sont basées sur l'information fournie par plus de 100 usines de transformation à la Compagnie de la Baie d'Hudson et au gouvernement canadien relativement au volume de chacune des formes de produits (saumon en boîte, frais/congelé, mariné, salé, fumé, etc.) Les formes de produits ont été converties en poids de poissons capturés par espèce et par région en utilisant les facteurs de conversion habituellement employés par les industries de transformation et en tenant compte des compositions relatives des espèces pour chaque forme de produit de transformation. Nous avons également apporté les corrections nécessaires pour tenir compte du transfert entre régions.

Le rapport consiste en une analyse complète des données statistiques sur les quantités annuelles de chaque forme de produit de transformation pour la période commençant en 1875. De plus, le rapport comprend une analyse moins détaillée des données fragmentaires sur la production commerciale précédant 1876, débutant avec les activités commerciales de la Compagnie de la Baie d'Hudson (1828) et des premiers entrepreneurs indépendants (1860). La période couverte dans ce rapport se termine en 1950, année de la mise en oeuvre par le ministère des Pêches et des Océans du système des récépissés d'achats pour la détermination du nombre de prises. Les tableaux récapitulatifs présentent les poids (en tonnes) et les nombres de prises par espèce et par année des pêcheurs commerciaux dans dix régions de la côte du Pacifique de la Colombie-Britannique. La fiabilité des données recueillies au cours des différentes périodes de collecte a été également évaluée.

1. INTRODUCTION

Scientists commonly use time series of fishery catches to develop theories about the impacts of the fishery and environment on stocks (Ricker 1954, Beamish *et al.* 1999). Examples of such records for Pacific salmon (*Oncorhynchus* spp.) are described in Rounsefell and Kelez (1938), Kasahara (1963) and Wong (1983). For the first 100 plus years of commercial salmon fishing in British Columbia, however, most investigators of stock and fishery dynamics only had access to aggregate and often incomplete data on British Columbia harvests (e.g. Hoar 1951, Milne 1955, Shepard and Withler 1958, INPFC 1962, Milne 1964, Hewes 1973, Mysak 1986, Beamish and Boullion 1993, Hare and Francis 1995). In this report we use records of the products produced from salmon in order to develop a comprehensive catch database for such analyses. We present estimates of historical, annual landings, by area and species, for salmon caught commercially in British Columbia from the beginning of the fishery in 1828, to 1950, a period for which area-based catch statistics were not previously available.

Before 1951, British Columbia production statistics for salmon processed in cans or for other products were collected in each area from processing plants and arrayed primarily for economic purposes. Since then, data on catches by species and area have been collected from sales slips in a format that provides easily available information for biological assessments (Wong 1983). With a view to increasing the availability and usefulness of the pre-1951 data, we converted annual records of the volume of various products (canned, fresh and frozen, salted, etc) produced in an area, into annual estimates of each species caught in an area, using product-to-landed-weight conversion factors, measures of species composition, and adjustments for transfers between areas.

Our objective is to turn the records of processed fish, which are variable in detail, completeness and reliability, into a basic set of data for scientific assessments that, to the extent practicable, reflects the magnitude of annual catches by species, in tonnes and numbers of fish, for 10 broad areas of the British Columbia coast. Throughout the report we have made these early data as comparable as possible to the post-1950 commercial harvest data from the same areas.

In the process of assembling the early production data and converting these to landings we encountered a wealth of information on the data sources and methods used by government officials to compile the pre-1951 statistics for Pacific salmon, and on the products that Canadian commercial establishments prepared and sold at home and abroad. This report provides a comprehensive summary of this historical information for British Columbia fisheries for Pacific salmon.[1]

In the report we present our analyses of the canned pack (the bulk of the commercial harvest) and other products separately because of the different nature of these data. For example, canned packs were broken down by species early on in government publications but products such as dry salted, fresh/frozen and smoked salmon were not. In this context, references to "products" in the report are to the "non-canned" or "other" products.

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[1] Our search for data for this report began in 1984. We prepared preliminary reports on the pre-1951 salmon harvest statistics while on contract to the Department of Fisheries and Oceans (Argue and Shepard 1984MS, Shepard *et al.* 1985, 1985a; Argue *et al.* 1986MS; Shepard and Argue 1989). The harvest statistics in these early versions have been superseded by the harvest data in this report.

1.1. Coverage

Our coverage starts in the next section with some brief comments on Aboriginal peoples' usage of salmon prior to European contact, and on subsistence use of salmon by the early fur traders prior to 1828.

The main work of our report involves analysis of the post-1875 statistical material on annual quantities of each product form. However, in less detail, the report also covers fragmentary records of commercial production in years before 1876, beginning with commercial activities of the Hudson's Bay Company (HBC), which began in 1828. Our coverage ends in 1950 the year before the then Department of Fisheries of the Canadian Government implemented the sales slip system for measuring salmon catches.

Studies of salmon population dynamics require information on the quantities of each salmon species harvested in different areas along the coast. Prior to 1951, records of salmon production were collected for economic purposes and failed to provide the necessary breakdowns needed for biological analyses. This report makes these data considerably more useful for such assessments by providing species breakdowns for products and the canned packs, converting these to landed weights and numbers, and then arraying the combined weight and numbers into areas where the production was most likely caught.

Making such conversions required some interpretation of the information that, as will be made clear in the report and Appendices, introduced a degree of uncertainty regarding a number of the assumptions underlying the analyses.

For the pre-1951 period, we provide estimates of annual quantities of salmon caught for commercial purposes and landed in an area, in a form that is consistent with the published pre-1951 government statistics on canned packs and products produced in each area, and which is comparable to salmon landings in weight and numbers by area for the post-1950 era. Breakdowns are provided by:

Time: Annually from 1828 through 1950; no attempts were made to provide catch for shorter time intervals (i.e. by week or month);

Area: The ten geographic divisions (see Figure 1) for which information could be provided throughout the history of the fishery, and for which the boundaries were consistent with those in place from 1951 onwards (see Figures 2 and 3 and the tabulation below);

Weights and numbers: Reported as "green landed weight" (GLW), which is the estimated total weight of fish landed by fishermen before any gutting, heading or further processing occurs, and by "pieces" (numbers) of fish that comprised the landed weight; hundred weight (cwt) was the most commonly used unit of weight (1 cwt = 100 lb), Species: Sockeye (*O. nerka*), pink (*O. gorbuscha*), chum (*O. keta*), chinook (*O. tshawytscha*), coho (*O. kisutch*) and steelhead (*O. mykiss*) .

Areas Used in this Report	**1951 DFO Statistical Areas**
Queen Charlotte Islands	1, 2A-2B East, 2A-2B West
Nass River	3
Skeena River	4
North Coast	5, 6, 7, 8, 30
Rivers and Smith Inlets	9, 10
Johnstone Strait	11, 12, 13
Strait of Georgia	14, 15, 16, 17, 18
Juan de Fuca Strait	19, 20
West Coast of Vancouver Island (WCVI)	21, 22, 23, 24, 25, 26, 27, C
Fraser River including Howe Sound	28, 29

Commercial harvest records for northern British Columbia were more detailed by area than those for southern parts of the Province. As outlined above, we aggregated harvest data for ten rather large areas because we wanted a consistent set of geographical areas that we could report on for the whole history of the fishery. The finer northern data cover 1930 to 1950 landings by species, adjusted for transfers, for geographic divisions that are consistent with each of today's statistical areas in northern B.C, and are subdivisions of our larger areas. These data may prove useful for those investigators wanting more precise landings information.

Commercial harvests do not account for all of the removals from the stocks during our main period of interest, 1875 to 1950. There were fisheries by Aboriginals, by recreational fishermen and, prior to 1900, subsistence fishing by fur traders and miners. We comment on these sources of removal (minor compared to commercial catches) in the following short section on history of the fishery.

Also, it should be noted that commercial landings of salmon in British Columbia waters include salmon bound for United States rivers in Washington, Oregon, Idaho, California and Alaska (called interceptions); and United States fisheries in Washington and Alaska harvest substantial quantities of salmon bound for British Columbia rivers. For example, in 1913 catches of sockeye salmon from British Columbia's largest river, the Fraser, reached record levels but of the total Canada/United States harvest of over 31 million fish, Canadian fishermen harvested less than a third (Rounsefell and Kelez 1938, Roos 1991).[2]

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[2] In 17 years between 1889 and 1934 Fraser River canneries packed small amounts of imported sockeye that had been caught by Washington State traps near Point Roberts (Gilhousen 1992); these sockeye are included in our GLW data. They generally amounted to well below ten percent of Canadian caught sockeye.

Because of these interceptions, statistics of Canadian catches alone usually do not represent estimates of total production. Studies of exploitation of British Columbia salmon stocks should take into account interceptions by both countries. We do not estimate such interceptions.

When considering effects of commercial fishing on the resource, it should be kept in mind that not all salmon taken by fishing gear are landed for processing and sale. In the early years especially, species for which markets had not yet been developed such as pink and chum salmon, caught incidentally with more valuable species such as sockeye, coho and chinook salmon, were discarded and therefore were not included in commercial production statistics (Chettleburgh 1979). In some years of high abundance, the catching capacity of the fleets exceeded the processing capacities of the fish plants, again resulting in surplus fish being discarded and therefore unrecorded (Rounsefell and Kelez 1938). Such discards were probably most prevalent on the Fraser River when very large sockeye runs materialised in four year cycles, and where it is known that canneries imposed landing limits on the fleets (Ricker 1987, Gilhousen 1992). As well, fishing often causes mortality beyond that incurred through harvesting the fish. For example, the "drop-out" of salmon from gillnets that was a subject of concern to scientists studying the offshore salmon fishery in the north Pacific (Anonymous 1989), and the mortality among below legal sized fish that are returned to the water by trollers (so-called "shakers"), a longstanding concern to fishery managers (Pitre 1970, Wright 1972, Stohr and Fraidenburg 1986). The present report makes no attempt to estimate such quantities of salmon captured and killed, but not brought on board vessels to be landed, sold and processed.

In summary, prior to 1951 commercial catch dominated the total Canadian harvest. Our coverage attempts to document, in as thorough and comprehensive a manner as possible, the annual commercial landed catches that were used to produce the canned packs and other products during this important period for the salmon fishery in British Columbia.

1.2. Early Historical Background

1.2.1. Aboriginal Fisheries

Salmon was a valuable source of protein for the Aboriginal people that occupied British Columbia for thousands of years before first contact with Europeans (circa 1770s). The extent of Aboriginal utilization of salmon is a matter for speculation. It is estimated that in pre-contact times the human population of what is now British Columbia numbered close to one hundred thousand (Duff 1964), and perhaps was substantially higher (Richard Inglis, Royal British Columbia Museum, pers. comm., Glavin 2000). Annual per capita rates of consumption were in the order of several hundreds of salmon (Hewes 1973). Using consumption rates from Hewes and the conservative population estimates from Duff, led Argue *et al.* (1990) to estimate an average annual utilization of salmon by Aboriginal people in excess of 18,000 tonnes (mt), a level rivalling that of the commercial fishery in the late 1800s and today. In the 1879 Annual Report of the Federal Department of Marine and Fisheries (Anonymous 1868-1913), the Chief Inspector of Fisheries stated his belief that the total annual consumption of salmon by Aboriginals in 1879 was about 17.5 million fish, equivalent to approximately 60,000 mt (based on 1951-1954 average weight of salmon in the commercial catch of 7.4 lb). This is close to average harvests in the commercial fisheries some 40 years later and is a level some researchers (Glavin 2000) speculate that Aboriginals utilized prior to first contact with Europeans. However, for post-contact years the Inspector's estimate, which was unsubstantiated, is undoubtedly far too high given the greatly reduced Aboriginal population in 1879 (Duff 1964).

In general, the evidence cited above emphasizes the view that before extensive European settlement of the coast of British Columbia, Aboriginal harvest of Pacific salmon in British Columbia was substantial. In contrast, the annual Aboriginal catch for the first half of the Twentieth Century seldom reached 500,000 salmon and steelhead (approximately 2,300 mt or three percent of the commercial harvest) (Argue *et al.* 1990).

1.2.2. Arrival of the Europeans

The first visits of Europeans to the coast of British Columbia probably occurred with the voyages of the Spaniard Juan Perez Hernandez (1774) and of the Englishman James Cook (1778). Subsequently, Cook's crewmen sold sea otter skins taken off the Pacific coast of North America in China. This sparked commercial interest in development of the trade in furs west of the Rocky Mountains (Woodcock 1990). As a result, in the closing years of the 18th and the early years of the 19th Century, a fleet of, first, English and then of American vessels exploited the sea otter offshore and also began to trade with Aboriginal people on shore to obtain furs from land animals (Gibson 1992). There is no evidence that salmon appeared prominently in these coastal trading arrangements.

1.2.3. Subsistence Use by the Fur Traders

Most of the coasting activity discussed above took place in waters northwest of British Columbia. Settlement by Europeans on land in what is now British Columbia did not begin in a significant way until land-based Canadian fur traders pushed eastward from Athabasca to the Pacific slope across the Rockies. Thus it was that, in 1805, the North West Company (the predecessor to the Hudson's Bay Company in western Canada) established its settlement at Fort McLeod in the Peace River drainage. Between 1805 and 1821 the Company established eleven posts spreading southward from Fort McLeod through the Fraser and Columbia River drainages as far as what is now Astoria at the mouth of the Columbia. In 1821, the North West and Hudson's Bay Companies amalgamated under the Hudson's Bay banner and for the next twenty years expanded their operations along the Pacific slope from the Taku River in the north (in what is now Southeast Alaska) to the Columbia River in the south (Cullen 1979).

These posts depended heavily on dried salmon as the principal year-round source of protein for the Company's staff. The fish were obtained in trade from Aboriginal fishermen and supplies were shared between posts. Whereas the dependence of the posts on salmon was high, the number of employees throughout the region was probably in the low hundreds and utilization by the Company as a whole was very small when compared to total volume of the resource and removals at the time by Aboriginals. For example, fairly complete records for northern British Columbia in 1835-1836 (when the Company's activities in the area were near their peak) indicate that the aggregate utilization of dried salmon each year by the seven posts operating there was only about 67,000 fish, contrasting to harvests in the commercial fishery 50 years later numbering several millions. In addition to dried salmon, it is likely that small but significant quantities of fresh salmon were also consumed during the upriver spawning migrations. However, the total quantity of salmon utilised could not have been very great.

1.2.4. Hudson's Bay Company Salting Operations

In 1827, HBC built Fort Langley in the lower reaches of the Fraser River. The Fort was established with the expectation that it would become the Pacific terminus for the Company's land-based fur collection operations for the Fraser and adjacent drainages. However, in the 1830s, coastal trade in competition with American and Russian operations (which were offering better prices for furs) became an increasing focus for the Company. As a consequence, Fort Victoria, located on Juan de Fuca Strait at the doorstep of the open Pacific Ocean, established in 1843, became the Company's Pacific depot. Despite the change in plans, for three decades after its establishment, Fort Langley formed a vital link in the Company's operations as a supplier of food stuffs, particularly salmon, and as a communication centre for traffic from the Company's inland posts on the Fraser and adjacent northern watersheds.

Fort Langley was well located to utilise abundant runs of Fraser River salmon ascending the river to upstream spawning grounds. Aboriginal fishermen freely traded their catches to the Bay men, obviating the need of the latter to develop independent means of harvesting the resource. In fact, an attempt to start an independent commercial fishery by Bay men in 1828 led to the conclusion that the "expense in trade would hardly exceed the very cost of Lines and Twine" (Cullen 1979, quoting Chief Trader, Archibald McDonald).

Exactly when external trade in pickled salmon (salmon cured in a brine solution), beyond Company subsistence use, began is not clear (the Fort Langley Journal recorded a test production of pickled salmon in 1828). In his paper on Hudson's Bay Company activities in Hawaii, Alexander Spoehr (1986) noted that:

> *By 1830, the Company was preserving salmon on the Columbia River and at Fort Langley on the Fraser River as well, mainly to feed Company personnel, but with some 200 to 300 barrels of Columbia River salmon exported that year, presumably to Hawai'i. Preserved salmon found a ready market on O'ahu, particularly among native Hawaiians.*

As reported by Cullen (1979), direct shipments of salmon from Fort Langley to Hawaii began in the 1830s and continued until the early 1870s. Levels of harvests are estimated in later sections of this report. The heyday of the Hudson's Bay Company's overseas pickled salmon trade was in the late 1840s and early 1850s when the Company had a monopoly on trade on the mainland west of the Rocky Mountains.

1.2.5. Production by Non-HBC Entrepreneurs

The discovery of gold in the Fraser River in the late 1850s brought an influx of outsiders into the territory which, in turn, led to the development of substantial permanent non-Hudson's Bay Company settlements in the lower mainland of British Columbia. Associated with this influx, the HBC was forced to give up its monopoly trading rights west of the Rockies and, in 1858, the mainland territory became the Colony of British Columbia.[3] With these developments came entrepreneurs who initiated their own fisheries.

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[3] The mainland Colony of British Columbia amalgamated with the Colony of Vancouver Island to form the single Colony of British Columbia in 1866, which in turn, joined Confederation to become the Canadian Province of British Columbia in 1871.

These soon eclipsed the Hudson's Bay activities in terms of scope, variety of products and markets; their production is estimated in Section 3.1.1.

1.2.6. Large Scale Commercial Fishing Expands

The fishery by independent entrepreneurs began as salting operations in the vicinity of New Westminster in 1860.[4] By the end of the decade canning had been introduced and by the late 1870s a burgeoning industry, employing hundreds of drift-net fishermen and shore-workers, had begun to spread beyond the reaches of the Fraser to other parts of the Province. By the end of the century the salmon industry operated virtually everywhere throughout the inside passages and estuaries of the Province, and was intensively utilising all five species of salmon and steelhead (earlier catches in the fishery were limited mainly to sockeye, coho and chinook salmon). Trolling apparently had also made its debut as evidenced by the federal Inspector of Fisheries, who remarked in the 1883 Department of Marine and Fisheries (DMF)[5] Annual Report on the high quality of "salmon caught by trolling in the saltwater throughout the winter season". However, it was not until around 1910 that trolling became a substantial source of salmon (Milne 1964).

Shown below are the years that canned and other products first were recorded in the official government statistics for each area. Product forms other than canned generally were produced first; however, in most areas canned product was put up very soon after.

Area	Product Form	
	1st Year Other	1st Year Canned
Queen Charlotte Islands	1888	1901
Nass River	1878	1881
Skeena River	1877	1877
North Coast	1883	1890
Rivers & Smith Inlets	1882	1882
Johnstone Strait	1878	1881
Strait of Georgia	1883	1906
Juan de Fuca Strait	1877	1905
WCVI	1887	1895
Fraser River	1860	1870

In just under two decades commercial fisheries spread from the Fraser River to the rest of the coast. After the start of commercial salmon fishing on the Fraser River in the 1860s (1870 for canned), the Skeena River and Juan de Fuca Strait fisheries recorded their first salmon production in 1877; these were followed a year later by production from fisheries on the Nass River and in Johnstone Strait. North Coast, Rivers and Smith Inlets and the Strait of Georgia commercial fisheries first showed production in 1882/1883 and the last commercial fisheries to start were in the more remote areas of the west coast of Vancouver Island (WCVI) (1887) and the Queen Charlotte Islands (1888).

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[4] The best account of the early development of the fishery is provided by Lyons (1969).

[5] We use the acronym DMF throughout the report to refer to all versions of the federal fisheries department prior to 1951, and the abbreviation DFO to refer to versions of the department from 1951 onward.

During the first three decades of the Twentieth Century the salmon fishery continued to expand. In terms of the number of canneries (see tabulation below) it reached its peak during the decade beginning 1910 when on average 71 canneries were licensed to operate each year throughout the Province (maximum of 94 licensed in 1917).

Decade Beginning	Number of Canneries		
	Minimum	Maximum	Mean
1870	2	10	6
1880	9	28	18
1890	26	59	40
1900	50	73	62
1910	52	94	71
1920	56	79	68
1930	35	85	46
1940	24	38	31

Source: Anonymous (1958) for 1912-48 and Lyons (1969) for 1870-1910 and 1949.

During the 1920s salmon dominated commercial fishing with salmon fishermen operating over 7,000 vessels. Close to 20,000 men and women worked on all kinds of fish boats and processing establishments (Anonymous 1958). The prohibition against motorised fishing vessels in northern areas was rescinded in 1924 (Lyons 1969) and the first purse seine licenses were issued in 1927. In 1929, the licensed salmon fleet was 4,578 gillnet vessels, 2,592 trollers, and 278 seiners (Anonymous 1958). Today (2003) there are 1,406 gillnet, 539 troll and 276 seine licenses on just over 2,000 active salmon vessels; and there are approximately 15,000 workers on all commercial fish boats and processing companies, mostly working on species other than salmon (Anonymous 2002, GSGislason & Associates Ltd. 2004).

After the salmon harvest peaked in the 1920s, availability of the resource began to limit expansion of the industry. Through to a second peak in the 1980s, commercial catches fluctuated widely at generally lower levels, partly as the result of human activity (e.g. overfishing in some areas and environmental degradation[6]) and partly as the result of climate facilitated changes in the marine and freshwater environment (Hare and Francis 1995, Beamish and Bouillon. 1993).

1.2.7. Recreational Fishing

Recreational fishing for salmon probably started with the first European settlers on this coast. By 1924, the year the Tyee Club of British Columbia was formed, there were many ardent anglers in pursuit of salmon, but only scant records of their total catch. The recreational harvest in British Columbia went undocumented until Young and Campbell (1956) estimated that by the early 1950s recreational fishermen annually harvested 30,000 to 75,000 coho and 35,000 to 50,000 chinook, or between one and two percent of the commercial coho catch at that time, and between four and six percent of the commercial chinook catch. In addition, sport fishermen took around 125,000 "grilse", chinook and coho below the commercial minimum size limit of 3 pounds (1.4 kg) round weight, and a handful of the other salmon species. The recreational fishery prior to 1950 was undoubtedly much smaller, particularly relative to the commercial harvest.

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[6] For example, railroad construction on the banks of the Fraser River blocked Canada's largest sockeye salmon runs in 1913 and several years thereafter. Over the next decade, consequent mortality among spawners coupled with continued heavy fishing on the small surviving runs resulted in Fraser sockeye yields dropping to less than 15% of their pre-1914 levels.

1.3. Development of Fishery Statistics

During the first five decades of the fishery until the Mid-1870s, there were no formalized systems for recording amounts of salmon harvested or processed. During these years we depended on various historical accounts, particularly those associated with the activities of the Hudson's Bay Company (e.g. Lyons 1969; Cullen 1979) to obtain information on quantities of salmon products that were processed. Beginning in the 1870s, the Federal Government began collecting information from processing establishments and, as the years went on, required companies to provide such information on a series of prescribed forms. Annual government reporting of production from salmon harvests began in 1874 when DMF reported "Cases of fresh salmon" and "Bbls. salt (salmon)" for five processing establishments on the lower Fraser River. In 1876, when DMF began implementing the Federal Fisheries Act in British Columbia waters, DMF also initiated comprehensive publications of production and fishing statistics for individual areas along the British Columbia coast.

As mentioned at the start of this report, from the beginnings of the commercial industry by the Hudson's Bay Company until the years immediately following World War II, interest in measuring fish production was primarily in economic terms, concentrating on volumes of product sold and traded, rather than weight and numbers of each salmon species caught. The fact that from 1917 until 1950 the Dominion Bureau of Statistics (DBS) of the Department of Trade and Commerce published the fisheries statistics of Canada emphasizes that the purpose of data collection was economic rather than biological. Reflecting this, it was not until the 1920s that data on the annual numbers of fish caught first appeared in DMF annual reports, and then only for the whole British Columbia coast.

The economically-oriented production data generally lacked breakdowns by species for products other than canned salmon. Since canned salmon were marketed by species, the canned pack was the first product form whose statistics were available by species and area starting in 1901. Annual Reports of the Fisheries Commissioner for British Columbia (FCBC) starting in 1902 (Anonymous 1902-1930) and Pacific Fisherman Yearbooks (PFY) starting in 1901 (Anonymous 1901-1950) provided canned salmon packs by species for individual canneries throughout British Columbia. The other products were never reported by species in government publications but were recorded by species on forms submitted annually by processors to government. We found these data in the archived material starting in 1923.

Until 1910, all published data dealt with quantities and values of the canned pack and other products processed in an area and not landings. From 1910 onward, however, published statistical reports contained estimates of the actual landed weight of salmon in individual areas. Until 1933, these were simply calculated by using industry-standard conversion factors to convert the canned pack and products produced in an area to green landed weight, which assumes that the fish processed in an area had been caught and landed there. In interpreting the pre-1933 data, one is faced with the question of whether or not this assumption was valid. From about 1920 onwards in most areas it was not. Data from the archives indicate that by 1930, substantial quantities of salmon were being packed from one area to another for processing and many vessels in the fleet were motorised and capable of moving at least between adjacent local areas, thus being able to catch fish in one area and deliver them in another.

Published statistics took such transfers into account from 1933 onward. During this period DBS reports consistently presented data on GLWs by fishing area for all salmon species combined that took account of transfers between areas for processing. However, a search of historical records revealed that to assemble such material DMF statisticians expended considerable effort contacting field staff and company bookkeepers in order to ensure the data were complete and accurate on a species-by-species basis. Fortunately we found archived DMF data for District II that accounted for transfers by species and area from 1930 onward. Coverage of transfers in the historical material was less complete for fisheries in southern British Columbia waters (i.e. in Districts I and III). The system apparently became cumbersome in later years, particularly when keeping track of transfers of each salmon species on a monthly basis or finer time scale became important. By the late 1940s there was a widespread feeling that the system needed an overhaul, particularly for the purpose of providing accurate "in-season" data for management. This led, in 1948, to a study of the problems of the statistical system by Professor G.L.Burton that in turn led to the sales slip system (Burton 1949) that was in place for the 1951 fishing season.

The new Federal statistical system provided weekly landings, in weight and numbers of fish, by species, fishing gear and fishing area (Figure 2). The system was designed specifically to provide information on landings of salmon by area for use by fisheries managers for management of the fisheries, and by scientists for research and assessments of the status of salmon stocks. The system was developed in response to needs for more precise biological information in order to improve inseason salmon management so as to reverse declines in catch and escapement for several important stocks (e.g. Fraser River and Skeena River sockeye). The post-1950 system, based on recommendations from the study of statistical requirements by Professor G.L. Burton (see also Section 4.1.6), had as its basic units, sales slip records of numbers, weight and value of fish landings by fishermen, recorded at buying establishments along the coast at the time of each transaction between buyer and fisherman.

2. METHODS

Because, as outlined in the preceding section, the system for collecting and recording production statistics changed substantially over time, our data sources and methods varied. We have divided our estimation of commercial salmon GLW into five time periods to reflect these changes. These are:

1) 1828 – 1875, colonial and early federal records of production are fragmentary and therefore estimates of landings are approximate,

2) 1876 – 1900, annual government records are available, but these are limited to quantities of products processed and few data are available on the species composition of the canned pack or products,
3) 1901 - 1922, species composition data are available by area for the dominant product, canned salmon, and in 1910 DMF statisticians introduced estimates of the landed round weight of the catch,
4) 1923 - 1929, species composition data are available by area for all product forms, and
5) 1930 – 1950, (1933 to 1944 in Districts I and III), comprehensive published and unpublished estimates are available for landings by species and area, taking into account raw material transfers.

Prior to 1923, we were unable to find many original records of production and landings in the archive files and, to a great extent our analyses were based on published records. The burning of the Centre Block of the Canadian Parliament in 1916 may have contributed to this paucity of early data. In contrast, from 1923 to 1944, most of the original data forms recording the volume of canned packs and other products, by species, were preserved in the archive records. For the period 1945 through 1950, archived DMF forms for each area (Schedule IA) provided full breakdowns of annual landings by weight, species and area, taking into account transfers.

As a result of differences in available data during each of the above periods, we had to adjust our general methods, described below, in order to calculate GLW by species and area. These specific method changes are explained at the beginning of each section in the results and are illustrated in the accompanying flow charts.
We make extensive use of Appendices because of the complexity of our source data and methods. In Appendix tables we present intermediate data (e.g. species compositions) and selected final catch data in order to illustrate our methods.

Tables at the end of the main text present for each area and year, canned packs, product amounts, catch in hundredweight, average fish weights and our summaries of landings data in metric tonnes (mt) and numbers of fish.

2.1. General Approach for Estimating Green Landed Weight

Figure 4 illustrates the general approach that we followed to estimate from the company production statistics, the annual landed weight of the commercial salmon catch prior to 1951 in each area. The various steps in the analysis are discussed below.

The work involved extensive searches of archival and historical material stored in facilities of the Canada Department of Fisheries and Oceans (DFO), Federal Record Centres (FRC) of the Public Archives of Canada, the University of British Columbia, the Province of British Columbia, the Hudson's Bay Company and the Pacific Salmon Commission. Appendix A describes the historical material that we searched.

To present data for each major area in a consistent manner, tables of canned packs, other products, and summary tables of landed weights/numbers are placed in the same, north-south order throughout the report: Queen Charlotte Islands, Nass River, Skeena River, North Coast, Rivers and Smith Inlets, Johnstone Strait, Strait of Georgia, Juan de Fuca

Strait, West Coast of Vancouver Island and Fraser River. Data summed from two or more separate tables may not total exactly due to rounding.

2.1.1. Canned Pack and Product Quantities

Commercial salmon processors were the source for basic company production data (top level of Figure 4). Beginning in the 1870s, the federal government published product and canned pack totals (second level in Figure 4), by area, in Annual Reports of the Dominion Department of Marine and Fisheries through to March 31, 1914 (Anonymous 1868-1913), then in the Annual Reports of the Fisheries Branch of the Department of Naval Service until the end of 1918 (Anonymous 1914-1918), and thereafter in annual publications of Fisheries Statistics by the Dominion Bureau of Statistics (Anonymous 1917-1950). Most pre-1951 landing statistics in this report derive from these sources.

Appendix B details our data sources and provides examples of the original source documents. Appendix C describes the many area names under which production statistics were aggregated and groups these into our ten areas.

2.1.2. Conversion Factors

At the start of our study it was by no means clear which product/canned pack to GLW conversion factors were used by government bookkeepers and over what period. A second problem was to determine the appropriate measures that were used during the earliest years of the fishery before official collection of statistics began. For example, were tons of canned salmon long (2240 lb) or short (2000 lb) tons, was a tierce of pickled salmon the same weight as a barrel or a package of pickled salmon?

Once we verified the appropriate measures and the industry-standard conversion factors (Table 1) from the historical government records, estimates of GLW were derived. These were developed by applying conversion factors and data on quantities of canned salmon and other salmon products produced in each area, and published in DMF and DBS annual publications, or developed from other sources for the early years (third level in Figure 4). Beginning in 1930, we used the government's own estimates of total GLW by area.

The full range of procedures that we followed to establish product measures and then conversion factors is presented in Appendix D.

2.1.3. Species composition

Once landed weights were estimated the next step was to allocate these to species (fourth level in Figure 4). To do this, species compositions from the canned pack and raw product statistics from each establishment were used to develop schedules of species composition, by product form, year and area.

For the canned pack prior to 1900 we used 1901-1903 average species compositions (Table 2). Starting in 1901 the total canned packs in each area from either DMF or DBS were apportioned to species by multiplying the pack data by the species compositions that were obtained from the data for individual canneries in PFY and FCBC publications (called the "sample" later in this report) (see Section 2.2 in Appendix E).

For products other than canned, species compositions were only available for each area from 1923 onward (averages by District in Table 3). Prior to 1923 we generally used 1923-1930 average species compositions in each area to allocate landed weights from other products among species.

Appendix E details the procedures we used to obtain species compositions in order to allocate landed weights from the canned pack and other products to species.

2.1.4. Transfers

To calculate GLW landed in an area government statisticians took the GLW based on products and canned packs produced in each area, subtracted GLW brought into the area from landings in other areas, and added in the GLW caught and landed in the area that was taken out of the area for processing. Following the same procedures and utilising background data contained in historical records, we carried out the analyses to estimate transfers (fifth level in Figure 4) by species and area from 1933 to 1944 for District I (Fraser River and Howe Sound) and for each of the areas in Districts III (the waters surrounding Vancouver Island). DMF results from similar analyses provided GLW data, adjusted for transfers, for District II from 1930 onward, and for District I and the areas in District III from 1945 to 1950. The transfer-adjusted DMF data for District II were found amongst the historical files from the Prince Rupert office of DFO. These were tables of GLW in cwt by species and DBS area for 1930 to 1950. In this report these data are referred to as the "Prince Rupert" data.

For the pre-1933 period (pre-1930 in District II) we estimated the extent of transfers between areas that occurred but were not taken into account in the published record (Section 6 in Appendix F). These estimates provide indications of the order of magnitude of transfers in the period. We then made adjustments for transfers prior to 1933 (prior to 1930 in District II), but only in the summary tables of annual harvests in weight and numbers, by area and only when we had evidence of transfers (adjusted numbers are italicized and bolded). We did not adjust the production and GLW data in our intermediate tables because we wanted to ensure that these data were unchanged from the published record. Thus for years prior to 1933, it is possible to compare landed weights unadjusted and adjusted for transfers by comparing GLWs in mt summed from the intermediate canned pack and product tables with GLWs in the summary tables.

The methods used by government bookkeepers and us to account for transfers from 1933 onward are described in detail in Appendix F.

We assume that under the product-based statistical system DMF statisticians accurately adjusted for transfers as far as annual harvest statistics were concerned. In Appendix F we note that varying amounts of salmon caught in outlying areas (e.g. Queen Charlotte Islands and WCVI) often were transferred to processors concentrated in the Skeena and Fraser River areas, respectively. If the product-based system did not accurately capture such transfers then we would expect marked differences in harvests to appear when the sales slip system was introduced in 1951. In Section 3.3 we compare catches in each area for ten years before and after the sales slips were introduced to check for this possibility.

2.2. Estimating Numbers of Salmon

To this point we have described, in general terms, our methods to arrive at our principal objective, GLW by species and area of catch (sixth level in Figure 4).

We now turn to estimates of the numbers of salmon and steelhead caught in each of the ten areas. These were calculated by dividing the total weight of each species caught in each area by the 1951-1954 average round weight of the commercial catch of each species. Pink salmon were heavier in odd years in all areas (Figure 5), so in computing numbers for this species, odd and even year averages were used. Numbers/weight data used for the conversion were limited to1951-54 rather than a longer post-1951 period because, as shown in Figure 6, several species underwent significant declines in weight between 1955 and 1985 (Ricker 1981).

Average weights were taken from the catch in pieces and cwt in 1951 to 1954 publications of British Columbia Catch Statistics (Anonymous 1951-1996). The weight of troll and handline caught salmon was reported in dressed weight with the head on in Anonymous (1951-1996). Seine and gillnet-caught salmon were reported in round weight. To calculate the 1951 to 1954 average round weights of the total catch in each area, we converted the troll/handline dressed weights to round weight by dividing by DFO's 0.85 dressed weight to round weight conversion factor.

By using 1951 to 1954 average weights we are assuming that:

a) there were no long term changes in average size (Ricker 1981, 1995) due, for example, to size selection by fishing gears or to systematic changes in average size due to ocean environmental effects, and
b) 1951-1954 averages represent average fish size in the pre-1951 fishery.

To assess the reasonableness of these assumptions, a second independent source of data for the salmon and steelhead catch-in-numbers for British Columbia as a whole (i.e, not broken down by area) was analysed. The data comprised information supplied to DMF by licensed fishing vessel owners, and cannery, cold storage, and trap operators. As discussed in Appendix B, Section 9.4, DMF published the numbers data from these sources for 1920 to 1948, by species and gear (troll, gillnet, purse-seine, drag-seine and trap-net), but only for British Columbia as a whole (Anonymous 1919-1929, 1930-1950). The data sources, forms and procedures used by DMF to compile these data were separate from those used for the product-based salmon landing statistics on which we based our landings estimates.

Simple linear regression and correlation were used to compare the product based and DMF catch-in-number statistics for each species. The hypothesis that both data sets estimated the same catch of each species was examined by regressing one data set on the other, and for those regressions that were statistically significant, testing slopes for significant departure from a slope of one, and intercepts for significant departure from zero. Regression coefficients and the $\mathbf{R}^2$ statistic, a measure of goodness-of-fit, were calculated for various combinations of landings data to attempt to deduce why the two data sets differed for some species and not for others.

To test for significant trends in average fish size prior to 1951 we used simple linear regression and correlation to examine previously published average weight data for some species and fisheries (Hoar 1951, Killick and Clemens 1963, Ricker 1981, Marshall and Quinn 1988, Ricker 1995, Welch 2002MS) as well as unpublished data on the numbers of a species of salmon required to produce a case of canned salmon (David Welch, pers. comm.).

3. RESULTS

Following general procedures described above and illustrated in Figure 4, adapted to the data sources available at different times, we developed tables estimating canned packs and quantities of other products, by area, for five periods between 1828 and 1950. These tables comprise data on pre-1876 production on the Fraser River (Tables 4-6), summary tables of canned packs for all areas to 1929 (District II) or to 1932 (Districts I and III (Tables 7-16) and similar tables for products Tables (17-26). As an "accounting check, Table 27 compares data derived in this paper with summary data prepared by the Canada Department of Marine and Fisheries in the late 1950s. Tables 28-37 combine GLW data from canned packs and other products, by area for 1930 through 1950. Tables 38–43 contain average weights by species and area for 1951 to 1954.

In Summary Tables 44 –53, data from the above tables are combined to provide listings of total landed weights, by area and species for 1828-1950. On the right side of these tables landed weights are converted to numbers of salmon using the data on average weights by species and area during 1951-54. GLW and numbers data for B.C. as a whole are listed in Summary Table 54 and illustrated in Figure 7.

3.1. Landed Weight (GLW) of Salmon in the British Columbia Commercial Harvest for Five Time Periods

3.1.1. 1828–1875, Commercial Harvest by HBC & Non-HBC Entrepreneurs

As outlined above, commercial production of salmon in British Columbia by Europeans began in 1828 when HBC men at Fort Langley experimentally salted ("pickled") salmon in barrels to facilitate over-winter preservation (first level in Figure 8). Most of these pickled salmon are thought to have been sockeye, with only about one-fifth consisting of chinook and coho (see Appendix E). In 1828, the Fort Langley Journal indicated that, in four days, some 1,150 salmon were packed. In 1829, similar records indicated that 4,550 salmon were salted, 4,500 in tierces (at 90 salmon to a tierce) and 50 in various other types of containers (Shepard and Argue 1989).

Cullen (1979) provided estimates of the numbers of barrels or other containers of salmon pickled at Fort Langley and also the quantities marketed by the post from 1830 through 1873 (Table 4).

In the 1860s, private entrepreneurs entered the commercial field and, by the 1870s, had largely displaced the Hudson's Bay Company in the pickled fish trade. Production of canned salmon by some of these entrepreneurs began in 1870.

Drawing on records maintained by the Colonies of Vancouver Island and British Columbia and from 1871 by the Government of Canada, Shepard and Argue (1989) collated records on the quantities of salmon processed and/or exported from 1860 through 1875 (Table 5).

As illustrated at the top level of Figure 8, data from these various sources were combined to provide estimates of total landings during 1828-1875. Data for the early years were fragmentary and quite likely were incomplete. For example, although Fort Langley was the most important pickled salmon production centre in British Columbia, other posts reportedly contributed to production, particularly Fort Victoria that was purported to have carried out a salmon harvesting and pickling operation on San Juan Island, now part of Washington State. In this regard, Howay (1914) reported that, in 1851, operating out of Fort Victoria, the HBC established a fishery along the shores of San Juan Island. According to Howay, the operation produced 2-3,000 barrels of pickled salmon annually. In their search of Company documents, Shepard and Argue were unable to find any records of such operations. More research might confirm the nature and extent of the San Juan operation and other possible sites for HBC production of Pacific salmon for trade.

Product amounts from 1828 through 1873 from compilations of Hudson's Bay Company records of production or export of pickled salmon compiled by Cullen (1979) and Shepard and Argue were small and variable, ranging from 1,350 to 360,000 lb (Table 4). Data on production and export were not available for all years. For years when production data were not available, we chose the export figures as the "best estimate" of production for that year. When both production and export data were available we chose the higher of the two as our "best estimate". These estimates are listed in column XII of Table 4.

Formal records of production of pickled salmon from the non-HBC entrepreneurs' fisheries in the early years are fragmentary, but for most years some records of total fish exports from the colonies of Vancouver Island and British Columbia and eventually of Canada (from the Province of British Columbia) are available (right side of level 1 of Figure 8). Following a procedure similar to that used for HBC data, estimates of production by non-HBC entrepreneurs were based on commercial production data for years when such data were available, and on export data for other years (left side of level 1 of Figure 8). As for the Hudson's Bay data, such "best estimates" must be viewed as minimal (level 2 of Figure 8).

The HBC and independent entrepreneur's data overlap for 1860 through 1873. However, in these years the Hudson's Bay operation was in decline. In all years between 1860 and 1873, Government records of production (where recorded) and exports exceeded those listed in HBC records. It is assumed that the Hudson's Bay operations would have been conducted under colonial or federal control and therefore production and exports by the Company would have been included in colonial or provincial totals. For this reason, from 1860 through 1875, records from sources other than the HBC were used as a basis for our estimates of production.

As depicted in level 3 of Figure 8, using conversion factors and species compositions developed in Appendices D and E, HBC and independent entrepreneurs figures on product weight for pickled fish were converted to landed weight by species. Firm data on species composition of both canned and pickled products during 1828-1875 are lacking. As outlined in Appendix E (Sections 2.1 and 3.2.2), proportions of each species during this period were estimated mainly on the basis of an analysis of narrative accounts of the fisheries found in DMF reports.

Commercial canning of salmon began in 1870. Early records were found for canned packs on the Fraser for 1870, 1873 and 1874, but records of quantities of canned salmon that were exported were available for all years from 1870 through 1875 (Shepard and Argue 1989). Using export data where cannery production data were not available, these canned packs were allocated to species based on the 1901-1903 average species composition for the Fraser River in Table 2, slightly modified as described in Section 2.1.1 of Appendix E.

Table 6 aggregates information on product amounts for both HBC and the entrepreneurs' operations and, using the highest estimate for each year, develops "best estimates" for 1828 through 1875.

These estimates are converted to landed weights, by species, in the right hand columns of Table 16 for canned product from the Fraser River and of Table 26 for other products from the Fraser River. Table 53 combines the landed weights from both sources to provide summary estimates of the amounts of each species caught in the Fraser River area between 1828 and 1875. The largest harvest during this period was 1,071 mt in 1874.

3.1.2. 1876-1900, Large Scale Commercial Fishing Begins

3.1.2.1. Beginning of formal statistics

Formal reporting of salmon production began in the 1870s, focussed primarily on the Annual Reports of the Department of Marine and Fisheries (see examples in Appendix B).

Following the general analytical approach illustrated by Figure 4, for the 1876 to1900 period the DMF data on total canned packs in each area (left side of Figure 9) were allocated to species using assumed species compositions (Table 2) developed in detail in Appendix E. As outlined on Appendix D, these in turn were converted to landed weights in mt using an 84 lb per case conversion factor (level 5).

For products other than canned salmon, product amounts for each area from DMF Annual Reports were converted to landed weights by species (right side of Figure 9), using the product weight conversion factors (Table 1), and assuming that species compositions for each product during the period generally were the same as average 1923-1930 species compositions (Appendix E). Small adjustments to the 1923-30 averages reflect the somewhat different species utilization during the pre-1901 period as discussed in Section 3.2 of Appendix E.

3.1.2.2. 1876-1900 GLW, canned packs and products

By the turn of the Century the commercial fishery had expanded throughout British Columbia coastal waters. As shown in Summary Table 54, the total GLW of salmon had increased to over 30,000 mt, as compared to less than 1,100 mt prior to 1876. The salted chum salmon markets in the Orient had opened; 4 million pounds or 1,800 mt were exported in 1898 from the Fraser River harvest (Table 26, Anonymous 1868-1913) and canners were for the first time beginning to show serious interest in pink salmon (3,925 cases produced on the Fraser River in 1899). From 1876 on, canned product accounted for more than 80% of the landings in most years, with the average for 1876-1900 being 88% (Table 55).

An interesting sidelight in the canned salmon statistics is the recording of significant quantities of pink salmon being processed in 1900. In recent times, the prevailing belief has been that pink salmon, with a virtually invariable two-year life span are absent from the Fraser River in even-numbered years. In contrast, the DMF Annual Report for the 1900 fishery clearly states that 12,267 cases of pink salmon (about 150,000 fish) were packed on the Fraser in that year. Modest even-year canned production continued through 1912 and for a few years after (Table 16). Gillnet vessels, powered by sail or towed by steam powered tugs, were unlikely to have travelled much further than the river mouth and Howe Sound, and there were, to our knowledge, no transfers between areas of such a volume of unprocessed salmon prior to 1920. This suggests a modest presence of even-year pink salmon in District I prior to the Hells Gate slide.

Of the approximately 12% of salmon harvested commercially that were processed by means other than canning, slightly over half were pickled, smoked or salted (Table 55). For the most part these products were prepared in established plants from which DMF officers would have routinely collected product weight data.

The remaining half of non-canned production comprised fresh and frozen fish. In contrast to pickled, smoked or salted fish, many fresh fish were sold directly to the public by fishermen or through middlemen. DMF obviously had trouble determining how to handle the estimation of quantities of such fresh and frozen fish entering trade. For example, DMF records for 1882-1887 variously included fresh/frozen fish as fish handled by processors, fish used "for home consumption", "fish sold by hawkers", and fish used by "Chinese labourers and others on railways". As discussed in Appendices D and E, it was apparent that procedures for recording quantities of salmon sold in fresh or frozen form differed between areas and it was possible that in some areas, no records at all were kept. For a few years it appeared from narratives in the DMF Annual Reports that quantities listed as "for home consumption" were actually salmon landed for sale (see Section 3.3 in Appendix D). In these cases the volumes are included in Tables 17 to 26.

Tables 7 to 16 present the annual canned packs and the corresponding landed weights, by species, for each of the ten areas for 1876 to 1900. The column headed "Sample/Total" is explained in Section 3.1.3.2 below. Tables 17 to 26 present the annual amounts of each product, and the corresponding estimated landed weights of each species from all products combined, for each of the major areas. Summary Tables 44 to 53 total the 1876 to 1900 GLW by species and area from Tables 7 to 16 and 17 to 26.

From narratives in DMF reports there is firm evidence that between 1888 and 1900 small amounts of GLW destined for products other than canned salmon were transferred from processors in the North Coast area to processors in Prince Rupert in the Skeena River area (Section 6.1.3 in Appendix F). We made adjustments for these transfers to the final harvest data in Tables 46 (Skeena) and 47 (North Coast). We did not adjust GLW data in intermediate tables for transfers in order to maintain the original DMF figures.

Between 1889 and 1913 small amounts of sockeye caught by U.S. traps and canned in Canada (Gilhousen 1992) are included in the tables (<10% of the total, see Table 16).

3.1.3. 1901-1922, Continued Commercial Expansion

3.1.3.1. Improved reporting of GLW and emergence of the transfer problem

Data sources for the 1901-1922 period did not change from those in the previous section (Figure 10). However, reporting changed in 1910 when DMF began converting products and the canned pack to GLW in cwt and recording the total so calculated for each area in their Annual Reports. DBS continued this practice when it took over reporting in 1917. In Appendix D, Section 4 we determined the conversion factors used by DMF. Instead of using DMF's calculated GLW, we used our calculated GLWs. These avoided inconsistencies that we found in the DMF calculated GLWs.

Supplementary information for canned packs from each cannery, first recorded by species in 1901, was available from Annual Reports of the FCBC and PFY (level three in Figure 10). We used these data to estimate landed weight by species for salmon that went into the canned pack since DMF/DBS Annual Reports only recorded total canned packs for each area. We also made minor adjustments to the 1923-1930 average species compositions (level 5) for pickled and fresh/frozen products to reflect changes in the importance of sockeye, pink and chum salmon during the 1901 to 1922 period (see Section 3.2.2 and 3.2.3 in Appendix E).

In the DMF/DBS reports there is only one category of "Salmon fresh and frozen". In the historical records beginning in 1923, these data were subdivided into fresh/frozen production by companies and production by fishermen. We maintained this subdivision in Tables 17 to 26 because the species compositions were substantially different for these categories (see Sections 3.1.1 and 3.2.3 in Appendix E). For each area and year we applied 1923-1930 average proportions prepared by fishermen, and 1923-1930 average species compositions (adjusted for different species contributions in the early years) to the 1910 to 1922 DBS fresh/frozen totals. We chose 1910 to start the companies/fishermen split because that year marked the beginning of substantial troll landings (see Section 3.2.3.1 in Appendix E).

There were references in the DMF narratives to transfers of some salmon in northern BC waters (District II) starting in 1915. Between 1915 and 1919, paralleling the growth of trolling, increasing numbers of chinook salmon began to be processed in major fishery centres such as Prince Rupert. Those reporting on the fishery in the DMF reports stated that most chinook caught in the Queen Charlotte Islands, and possibly half of those caught in the Nass area were transported to Prince Rupert. We assumed that some coho would have been transferred along with the chinook. Transfers of species primarily used for canning (sockeye, pink and chum) were assumed to be negligible. In Sections 6.1.1 to 6.1.4 of Appendix F we detail the procedures we used to adjust the final harvest data for these relatively minor transfers. Our procedures were based on the evidence of transfers from DMF narratives and our judgement as to how to best adjust for these movements of raw product (level 6 in Figure 10).

Starting in 1920, transfers of all species in District II increased. Fortunately, for three northern areas DFO's Statistical Basebook Number Three (Anonymous 1958) provided tables of canned packs of each species, by area of harvest and area of processing (Skeena

1925-1929, Nass 1925-1929 and Rivers-Smith Inlets 1920-1929). These data gave us the means for adjusting GLW that was used for canned salmon for transfers back to 1920; however, we were left with the other product data that were unadjusted for transfers.

The simplest approach to this problem was to treat salmon destined for canning and other products the same. In other words we assumed that for these three northern areas transfers of each species of salmon destined for processing into other products would be proportionally the same as transfers of the same species of salmon that were destined for canning.

We then developed rules for using the adjusted GLW data (Section 6.3 in Appendix F) to calculate annual transfers for the remaining two District II areas back to 1920. For years prior to 1920, except where we had specific accounts of transfers, as noted above, our underlying assumption was that transfers between the large areas defined in this report were insignificant. We also assumed that prior to 1933 there were no significant transfers between District II and Districts III and I to the south (see discussion in Appendix F Section 6.4).

For southern British Columbia areas, information on the amounts of transfers prior to 1933 was virtually non-existent in the historical material. It was possible only to measure the biases that transfers introduced from 1933 onward. However, there were occasional references in the narrative reports in the 1920s to significant transfers from Johnstone Strait, Juan de Fuca Strait and the Strait of Georgia, mainly to the Fraser River area (District I). Thus, GLWs for those areas based on unadjusted production data likely would be somewhat underestimated and those for the Fraser overestimated if adjustments for transfers were not made. As we describe in Appendix F, Sections 6.2 and 6.5, we applied adjusted average transfer rates from 1934 to 1936 (1935 to 1937 for odd-year pink salmon) to estimate transfers between 1920 and 1932 for District I and the areas of District III. We did not use 1933 because the raw transfer data for 1933 were incomplete (see Section 4.2 in Appendix F). As in the north, we assumed that all transfers in the south were between southern areas, and that except where we had specific accounts of earlier transfers, transfers prior to 1920 were negligible.

3.1.3.2. 1901-1922 GLW, canned packs and products

During the first two decades of the Twentieth Century, British Columbia salmon landings increased rapidly. By 1922, the landed weight of salmon caught in British Columbia reached 68,000 mt (Table 54), which compares with landings that generally were under 30,000 mt prior to 1901. This period was marked by initial high production of canned sockeye (over 975,000 cases or 44,000 mt in 1901), followed by a crash to less than half that total following the Hells Gate slide which occurred just before the bonanza 1913 Fraser sockeye run (Roos 1991). As in the previous period, salmon caught for canning dominated the harvest, accounting for three-quarters of the total green landed weight of the catch (Table 55). The dry-salted trade in chum often exceeded 12 million lb per year and coupled with yearly canned chum production exceeding 300,000 cases, province-wide chum landings often were in excess of 15,000 mt. Pink salmon landings destined almost exclusively for the canned market were about the same order of magnitude.

In terms of GLW, the proportion of salmon used for products other than canned increased during the period (from 12% to approximately 25%, Table 55). Most of the increase, however, was in products for which species compositions were well known (dry salted being the largest single contributor). Pickled salmon production, which had posed problems for estimating species breakdowns in earlier years, was much reduced during the 1901-1909 period (Figure 11).

In contrast to 1901-1909 when fresh and frozen fish accounted for only around a fifth of the non-canned harvest, during 1910-1922 fresh and frozen salmon accounted for approximately 60% of the non-canned harvest (Table 55). This mirrored the development of the hook and line troll fishery that targeted chinook and coho salmon. A substantial part of the production from this fishery was sold directly by fishermen to the public or through middlemen and not through larger companies. Salmon sold by fishermen dominated the fresh/frozen trade in southern British Columbia, whereas companies accounted for the vast majority of the fresh/frozen trade in the north (compare data in Tables 17-21 with data in Tables 22-26).

Coho and chinook landings steadily increased as markets for fresh/frozen product and landings by trollers grew.[7] Between 1915 and 1920, 10 to 20 million pounds (4,500 to 9,000 mt) of fresh/frozen product, most of which was chinook, was produced each year. There were record chinook landings of 17,000 mt in 1916, and landings of over 10,000 mt per annum from 1915 to 1920. Over one third of these landings were from WCVI where the Canadian troll fleet was rapidly expanding, as it also was in other coastal areas. Likely many of the chinook were of Columbia River origin as during these years stocks from the Columbia were still abundant, as indicated by annual canned packs there in excess of 400,000 cases, not far off the record Columbia chinook packs of 600,000 cases in the 1880s (Shepard *et al.* 1985). These high WCVI landings were not to be repeated as Columbia River stocks accelerated their long term decline.

The official DMF/DBS canned pack statistics did not break the canned packs down by species, however, as noted in the last section, other sources listing each cannery's production did. So the official canned packs were allocated to species using packs by species from these other sources. In many instances total packs from the other sources and the DMF/DBS packs were identical. In these cases the "Sample/Total" ratios shown in our tables equalled 1.0000. In only 29 of 209 cases from 1901 to 1922 were the pack totals from the other sources (the "Samples") more than 25 percent different than the DMF/DBS totals (the "Total"); three-quarters of these cases were in three areas, Queen Charlotte Islands, North Coast and WCVI (Tables 7, 10 and 15).

The DMF/DBS product data, allocated to species using the 1923-1930 average species compositions, are presented in Tables 17 to 26.

It should be noted that the landings on the right side of Tables 7 to 26 have not been adjusted for transfers. Estimates of the degree to which the early landings were biased by not considering transfers and our procedures to correct for this bias, are discussed in

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[7] In 1917, when troll licences were first issued, 1,370 fishermen were permitted to troll for salmon (Milne 1964).

Appendix F. We estimate that prior to 1920 transfers accounted for the most part for a relatively small (<10%) proportion of the production of each species in each area.

Summary Tables 44 to 53 total the 1901 to 1922 GLW by species and area from Tables 7 to 16 and 17 to 26. The summary tables include our corrections for transfers (bold and italicized font) for years when we had a basis to do so (mostly from 1915 onwards, see Section 6 in Appendix F).

3.1.4. 1923-1929, The First Peak in Commercial Landings,

3.1.4.1. Transition in statistical procedures

We singled this period out for several data-related reasons. First, 1923 was the first year that species composition data for each product were available. Second, 1929 marked the last year in northern British Columbia (District II) that transfers went unaccounted for by DMF bookkeepers. And third, we had access to data for adjusting the landings in weight and pieces from the combined product and canned pack analyses for transfers that previously had been unaccounted for by DMF.

As illustrated by the first two levels in Figure 12, data sources for the 1923-1929 period (also 1930-1932 for District I) did not change from those in the previous section. We calculated GLW by using the annual species composition data for each product in each area (fifth level in Figure 12) to apportion landed weight for each product to species. Estimates of species compositions for total canned packs continued to be based on packs for each establishment from FCBC and PFY reports, and our application of conversion factors was unchanged from the previous period.

As described in Appendix F, substantial quantities of fish were transferred between areas for processing during the 1920s. In deriving estimates of GLW by area for 1923 to 1929, government statisticians did not take such transfers into account. As discussed in detail in Appendix F, limited data on the extent of transfers were available to us for all areas for these years. Using these data and firm information on the extent of transfers during the early 1930s, it was possible to estimate the extent of transfers in the pre-1930 period (level 6).

In doing so we altered the published total GLWs for some of the areas, but retained the total GLWs for the Districts. Specifically, we scaled the adjusted annual GLW data for the areas within District II so that the total annual GLW for District II remained the same before and after adjustment. We felt this was justified because our search of the archived DMF records revealed only minor amounts transferred between District II and the southern Districts (see Section 6.4 in Appendix F). Similarly, we scaled GLW for Districts I and III combined so that annual GLW totals for the combined Districts remained unchanged.

3.1.4.2. 1923-1929 GLW, canned packs and products

This was a period of sustained high landings in the province. Landings averaged over 80,000 mt per year, dominated by chum (over 30,000 mt) and pink salmon (over 20,000 mt) (Figure 7, Table 54). In contrast, sockeye, by far the dominant species prior to 1923, now accounted for less than 15% percent (12,000 mt) of the total British Columbia landings. In 1928 a massive harvest of chum salmon, 45,000 mt, contributed almost half of the record catch to date of 101,000 mt.

Tables 7 to 16 contain canned packs and equivalent GLW for 1923 to 1929; Tables 17 to 26 present the corresponding product data and equivalent GLW. As noted earlier, we did not adjust the canned pack and product data in these tables for transfers. Instead, we made the adjustments for transfers to the estimates of annual harvests by area in Summary Tables 44 to 53 (adjusted data are shown in bold and italicized font).

3.1.5. An "Accounting" Check, 1876-1929

As previously explained, in using the canned and other product data from several government sources to estimate harvests in ten areas, the possibility existed that the finely detailed data were in error or incorrectly transcribed by us producing errors in our province-wide totals. To explore this possibility, we carried out an accounting check.

In the 1950s, DFO published a series of Statistical Basebooks. Basebook No. 3, published in 1958, provided a compendium of statistics on the British Columbia fishery, including annual, province-wide amounts for canned packs and other products from 1876 through 1956 (Anonymous 1958). As outlined in the sections above, product quantities used in this report were taken from the product data for each area published in annual reports of DMF and DBS. Since the Basebook represented, at a minimum, an independent compilation of published DMF/DBS records, and may have included more up-to-date assessments of quantities of canned and other products that had been processed throughout the history of the fishery, we compared our annual totals for 1876 through 1929 for canned packs and other products with the consolidated figures in the Basebook.

The results of this comparison are shown in Table 27, which contrasts our product totals, taken from Tables 7 to 26, with totals from the Basebook. For our basic data, we chose the published totals of canned pack and products from annual publications by DMF and DBS. The only modifications we made were to a few of the canned pack totals when we were certain that they were in error, or were inconsistent with our reporting areas (see Section 2.2 in Appendix E). These were minor changes that didn't significantly alter totals for the Province.

There was good agreement between the two data sets. In all cases where discrepancies were found, the original DMF/DBS data were checked. Some discrepancies were due to rounding. For example bait in 1927 in our tables totalled 9,300 lb, whereas the Basebook presented bait rounded to the nearest 1000 lb. Differences for smoked salmon in the first few years were due to our use of more accurate information on price/lb to convert smoked salmon values to weights. Between 1914 and 1929, the Basebook mistakenly reported pickled salmon in barrels (presumably of 200 lb each), when the original data were actually recorded in cwt on the Schedules (and in the DBS reports). The remaining discrepancies in the table were either due to transcription errors in the Basebook, to Basebook numbers being obtained from sources other than DMF/DBS Annual Reports, or else to minor errors in the government canned pack data. The close conformity of data from the two sources provides reassurance that the basic data we have compiled are complete and consistent with, if not an improvement on the statistics published in DFO's 1958 compendium.

3.1.6. 1930-1950, The Fishery Matures

Data sources and methods for calculation of landed weights differed amongst the administrative Districts between 1930 and 1944. For this reason the special methods for each District are dealt with separately. In contrast, between 1945 and 1950, DMF statisticians calculated GLW by species and area, adjusted for transfers, for all three Districts. These data, recorded in cwt, were obtained from Schedule 1A forms held at DFO headquarters in Vancouver.

We were impressed with the quality and quantity of data for the 1930 to 1950 period. The DMF historical records for District II from 1930 to 1944 and for all Districts from 1945 to 1950 were comprehensive, comparable to those of the sales slip statistical system. File material for Districts I and III for 1933-1944 were not as comprehensive, but sets of statistical forms filled out by enterprises and by Departmental field officers were available for District III for most years and areas. These records provided information on catch transfers not contained in the published record. A number of worksheets used by DFO statistical officers to prepare published statistical summaries were also found. The latter were helpful in assisting us to determine the exact procedures employed by DFO to derive their transfer-adjusted estimates of catch. Therefore whereas published DFO records for District III lacked species-specific records of transfers, we had sufficient information to adjust each species' landings for transfers ourselves.

3.1.6.1. Procedures for District I

Neither transfer worksheets nor transfer-adjusted landed weights could be found for District I. Without these data it was impossible to follow the same procedures we used for Districts II or III. Instead, for 1933 to 1944 (1930-1932 methods explained in Section 3.1.4.1 above and Section 5 in Appendix F) we derived independent estimates of GLW by species by using three data sources (three paths in Figure 13): the canned pack of salmon landed in the District (Table 15 in Anonymous 1958[8], and similar data from Rounsefell and Kelez 1938), the total canned pack processed in the District (Table 16 in Anonymous 1958), and the total products processed in the District (from Schedules).

As outlined earlier, for years prior to 1876, estimates of quantities of each species of salmon caught in District I were developed from various narrative historical documents (Table 4). For years from 1876 onward, the general approach first involved estimating the total GLW (both for canned and for other products) processed in District 1 (right and centre paths in Figure 13) and dividing it among species using procedures used for other areas as described above (level 4 in Figure 13).

Lacking archival data on amounts of salmon transferred in and out of District 1, we were then left with the problem of how to estimate the effects of such transfers. We based our estimates on information in the 1958 DMF Basebook (Anonymous 1958) which, for 1876 through 1950, provided data not only on the quantities of salmon canned in individual areas, but also estimates of the quantity of the pack that had been harvested in that area "irrespective of processing location." We used comparisons of these two parallel sets of data to develop "bias correction factors" for canned fish that we applied to the total GLW estimates to arrive at new estimates of the total weights of salmon actually caught in each area. The bias correction factor equals the canned pack adjusted for transfers divided by the unadjusted canned pack (see Tables F35a and F35b in Appendix F).

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[8] These data are described in the caption to Table 15 as "INDICATING AREA OF ORIGIN IRRESPECTIVE OF PROCESSING LOCATION".

The resulting annual total GLWs by species differed somewhat from the DBS total GLWs for District I. Remember that DBS's GLWs had already been adjusted for transfers, but we were unable to find the species breakdown for the DBS GLWs. Therefore the second to last step was to scale each species' GLW so that the annual totals matched the DBS total GLW (level 7). In the last step GLWs were converted to numbers of each species using average weights.

The foregoing approach was based on the assumption that, on average, the proportions of transfers in and out of each area were the same for non canned products as they were for canned products For individual years this obviously was not true because we had to scale our calculated GLWs to remain consistent with the DBS GLWs. However, although differences for an area in a single year ranged between +61% and –27%, on average, DBS and our estimates of total GLWs differed by less than 1%

3.1.6.2. Procedures for District II

For northern British Columbia (District II) from 1930 to 1944, tables of GLW, by species and area, were available from the Prince Rupert historical files (level 5 in Figure 14). As demonstrated in Section 3.3 of Appendix F, these statistics were calculated from the same canned pack and product data that were used to compile statistics for the published DBS reports. Procedures and data sources used (Figure 14) were essentially the same as those illustrated in Figure 13, although the conversion factor for canned salmon changed twice during the 1930-1944 period (Table 1). As discussed above, the Prince Rupert GLW data for District II accounted for transfers of fish between areas for the full 1930 to 1944 period.

3.1.6.3. Procedures for District III

Other than our own accounting for transfers (level 4 in Figure 15), the methods and source data for the areas in southern British Columbia, that is waters south of Cape Caution on the central coast, were the same as for District II.

To account for transfers we compiled canned pack and other product amounts from the Schedules, from DMF estimates of total transfers (all species combined) into and out of each area, and from transfers by species recorded on the Schedules and on worksheets prepared by DMF Fishery Officers (see Section 4.0 in Appendix F). The DMF raw data proved adequate for us to calculate transfer-adjusted landings for each species from 1933 to 1944 using the methods of the government bookkeepers. For 1930 to 1932 we used bias correction factors to adjust for transfers (see Section 6.4 in Appendix F). With only a few minor exceptions we were able to account for the exact GLW in the DBS publications (DBS/Total ratios equal or very close to 1.0000).

3.1.6.4. 1930-1950, GLW, canned packs and products

The Great Depression and World War II led to considerable consolidation in the salmon industry and the beginning of centralization of processing operations, with a resulting drop in the numbers of canneries to less than 40 by 1940 (see Section 1.2.6 above). Canned salmon production peaked between 1930 and 1944, reaching over 2 million cases (76,000 mt) in 1930 and 1941 (Figure 11), 1.5 million of which were pink and chum.

British Columbia production of fresh and frozen salmon fell to less than 20 million lb (9,100 mt) per year in the early 1930s, then rose to and exceeded the high levels of the 1915-1920 period (25-40 million lb) by 1947, (Figure 11). Production of salted salmon dropped off dramatically during World War I then peaked at 38 million lb (17,000 mt) in 1931, falling to zero by 1939. Mild cured salmon were produced at a rate of around three million lb (1,400 mt) per year starting around 1905 and continued near this level through 1950. In terms of volume, mild cured salmon replaced pickled salmon, whose annual production fell to less than 1,000 lb by the 1940s.

This also was a period of record high landings with the highest pre-1951 total, 104,000 mt, occurring in 1931 (Table 54). There were sustained large catches of sockeye, pink and chum salmon (totalling 30,000 to 65,000 mt per year), and coho salmon catches almost doubled 1920s levels, exceeding 11,000 mt per year for nine years between 1930 and 1944 (Table 54). In contrast, chinook landings fell to 4,000 to 7,000 mt in the 1940s, about half the level in the previous 25 years. In spite of consolidation and centralization in the canning industry, total annual landings held steady around 72,000 mt, similar to the long-term average from 1915 to 1950.

Tables 28 to 37 contain the 1930 to 1950 GLW data for each area. The column "DBS/Total" is the ratio of the published GLW to the GLW from sources explained in footnotes to the tables. DBS GLW and Total GLW sometimes differed in these tables due to rounding errors, due to updates after DBS data were published, and in the case of District II areas between 1930 and 1932, due to DBS GLW not accounting for transfers. With the exception of data for 1930 to 1932 for Districts I and III, the GLWs in Tables 28 to 37, converted to mt, are reproduced in Summary Tables 44 to 52. We use these GLWs rather than the published GLWs because the former included post publication adjustments that we believe make these data more accurate than the published DBS GLWs; in general the differences were small. For Districts I and III our bias correction procedures to account for transfers (Sections 6.2 and 6.5 in Appendix F) were applied to the 1930 to 1932 GLW data in Tables 33 to 37 and the adjusted landed weights entered into Summary Tables 49 to 53 (the data we adjusted are shown in bold and italicized font). For more details on how landed weights were compiled for this period see Section 8 in Appendix F.

3.2. Numbers of Salmon in the British Columbia Commercial Harvest

We estimated the numbers of salmon harvested prior to 1951 from the canned pack and product data, converted to GLW and then to numbers of fish using average fish weights for 1951 to 1954. The use of this time period represents a major assumption. It raises the question as to how representative was 1951-1954 of fish harvested in earlier years. To assess this question we first examined available information for trends in size prior to 1951. The results of this analysis and consequent evaluation of our choice of the 1951-1954 period are summarized below.

Whereas historical data on actual numbers of salmon for individual fishing areas are lacking, DMF did provide information on numbers of salmon for the province as a whole. As a further assessment of the accuracy of our approach to estimating catch in numbers, we compared the sum of our area by area estimates with the DMF aggregated data for British Columbia as a whole. This comparison is limited to 1920 to 1948 since these were the only years that DMF reported salmon catch in numbers of fish. Here we reason that if the two independent measures of the total British Columbia harvest are not significantly different they must be measuring the same commercial harvest. Therefore our estimates by area are more likely to be accurate.

DMF records of salmon catch-in-numbers for the Province as a whole appeared first in the DMF Annual Report for 1927. It listed 1920-1927 catch-in-numbers, by gear and species. There were identical tabulations for succeeding years through 1948 (Table 56). Kasahara (1963) reported these data (omitting steelhead) in International North Pacific Fisheries Commission Bulletin 12, a widely quoted compilation of historical salmon catch statistics around the Pacific rim. In Sections 3.2.3 and 3.2.4 below, regression analyses are described that compare estimates of aggregate catch from this report with the above DMF catch-in-numbers data.

3.2.1. Trends in Average Size

As outlined above, the key assumption in the procedures that we used to derive numbers of salmon using average weight data from 1951 to 1954 is that there were no significant trends in average weight prior to 1951. The purpose of this section is to explore the appropriateness of this assumption in light of pre-1951 data on changes in fish weight from other sources.

We examined several diverse sets of data for salmon in addition to the average size analyses in Ricker (1981, 1995) and Welch (2002MS). Marshall and Quinn (1988) used annual statistics on the numbers of salmon caught in Southeast Alaska commercial fisheries and GLW from converted product and canned pack amounts in order to estimate average weights for commercially caught pink, chum, sockeye and coho from 1910 to 1957. Figure 16 shows Marshall and Quinn's average weights through 1954. We included 1951-1954 because we had chosen these years for the purpose of converting GLW to fish numbers. Killick and Clemens (1963) present average size of the dominant Fraser River sockeye age class, age four, based on sampling from the Puget Sound purse seine and Sooke trap catches between 1915 and 1960. For 1892 to 1944, Gilhousen (1992) converted the numbers of Fraser River sockeye-per-case of canned salmon to average round fish weights using Killick and Clemens' relationship between sockeye-per-case and the average annual sockeye weights of commercial landings. Figure 17 shows these two series of Fraser sockeye average weights through 1954 (upper panel) and a significant statistical relationship ($p<0.01$) between the two sets of average weights for the years of overlap between 1915 and 1944 (lower panel). Numbers of each salmon species per case of canned salmon from cannery records for ABC Packing Company for 1906 to 1944 are reproduced in Figure 18 for Nass River, Skeena River and Rivers Inlet canneries (data compiled by Duncan Stacey, independent consultant, and obtained from David Welch, DFO, Pacific Biological Station, Nanaimo, pers. comm.). Finally, Hoar (1951) was the source of numbers per case for pink and chum salmon from canneries in several areas of the coast between 1927 and 1943 (Figure 19). Table 57 contains the linear regression results for each of the data sets in the Figures; separate regressions were performed for odd and even-year pink lines.

Of 34 linear regressions to test for significant long-term trends in average fish size prior to 1951, only five were significant (1 sockeye, 2 pink, 1 chum, 1 coho). Four were from the fish per case data sets for ABC Packing Company. Skeena River even-year pink salmon underwent a significant decrease in average size (increase in numbers of fish per case) between 1906 and 1943. Nass River sockeye and odd-year pink salmon underwent significant increases in average weight and Rivers Inlet coho underwent a significant decline over the same period. In contrast, for the Southeast Alaska data set, there were no significant trends in sockeye, pink and coho average weight, but chum underwent a significant decline. Fraser River sockeye showed no trend through 1950 for both data sets. However, for the Gilhousen (1992) data series, including 1951 to 1954 averages resulted in a statistically significant regression ($p<0.05$) with a positive slope, suggesting Fraser sockeye were abnormally large during these later years.

Computed size changes (Table 57) between 1915 and 1945 averaged minus 1.3% for sockeye, ranging from minus 11.0% (Rivers Inlet) to plus 5.4% (Nass River). Average computed change for even-year pink was plus 10% but the values for each regression were highly variable, ranging from plus 64.6% (Southeast Alaska) to minus 26.7% (Rivers and Smith Inlets). Only the Skeena River regression for pink salmon was significant (-14.0% between 1915 and 1945). The 1915-1945 average change in odd year pink size was minus 0.4%; the chum average was minus 3.2%. Our chinook and coho average percentage changes (-11.6% and –13.6%) were greater than those for sockeye and pink, but again there was variability between regressions, and only the Rivers Inlet coho regression was significant (-35.7%).

The more numerous regression analyses of Ricker (1981) covering a later period, 1951 to 1975, had 144 of 265 (54%) statistically significant regressions, and significantly more negative regressions than were in the data sets we analyzed for the pre-1951 period (257 negative of 265 vs 21 negative of 34, $p<0.01$ using one-tailed Chi-square). As well, his average declines for pink, coho and chinook were much greater than ours, ranging from minus 11% (odd-year pinks) to minus 42% (even-year pinks). Ricker's analyses of chum salmon catch data showed significant declines in average size (average changes of -7% to –11%) more than double ours. His sockeye regressions were consistently negative, averaging -5% to -8%, whereas ours averaged plus 3%. Later, Ricker (1995) analysed post-1975 average size data and concluded that most of the declining trends observed in catches for north and central British Columbia fisheries between 1951 and 1975 had been arrested or reversed. This was not the case in southern British Columbia where coho and pink salmon continued to decline in size after 1975. Ricker (1995) concluded for sockeye and chum caught in British Columbia fisheries that there had been "no sustained trends in size since 1951."

In comparison to the post 1951 analyses by Ricker (1981) from which he concluded that all salmon species underwent significant declines in average size in the catch between 1951 and 1975, our changes in average size prior to 1951, over generally longer time periods, were mixed in terms of direction (within and between areas), and the amount of change was much less on average.

3.2.2. Average Weights used to Estimate Catch-in-Numbers

The choice of 1951-1954 average sizes to convert GLW to pieces prior to 1951 now resurfaces because regression results in Table 58 show that except for coho, addition of 1951-1954 data to the Southeast Alaska and Fraser data series increased the calculated percentage change in size between 1915 and 1945 (and the predicted size in 1945). This suggests that sockeye, pink and chum were larger in 1951-1954 than they were on average prior to 1951.

Consistent with the above observations, we present evidence in Section 3.2.3 below, based on regression analysis of our and DMF's province-wide catches, that our use of 1951-1954 average weights for pink salmon may have underestimated the catch-in-numbers by over 10%, particularly in years of exceptional pink salmon abundance (i.e. 1951-1954 average weights were too high). However, the +6% difference in pink average weight between 1951-1954 and earlier years in the Marshall and Quinn (1988) data series (Figure 20) was not statistically significant, so for northern British Columbia pink salmon our use of 1951-1954 averages appears less of a concern. However in Welch (2002MS), graphs of pink average weights based on the numbers of pink per case of canned salmon for the 1927 to 1998 period suggest that in several areas along the B.C. coast pink salmon during the 1950s were larger than they were for 20 plus years before or after this decade. Taken together, this evidence suggests that our numerical catch data for pink salmon are underestimates.

We were faced with a quandary regarding whether or not to attempt adjustments for suspected biases in our average weights. The comparisons for sockeye and chum in Figure 20 suggest that contrary to the regression results below for these species, our catch-in-numbers estimates for sockeye and chum may be underestimated by using 1951-1954 averages, at least in northern areas. Figure 8 in Ricker (1981) graphs time series of average sockeye weights; these data also suggest that 1951-1954 was a period of abnormally large sockeye compared to earlier years, particularly for the Fraser River and Rivers Inlet stocks. That and the 12% that our 1951-1954 average weight of Fraser sockeye (6.95 lb) exceeded the Gilhousen (1992) average for the earlier years (6.00 lb) (Figure 20) do suggest a level for a cross-the-board adjustment. Alternatively, we could simply use the average weights produced by Gilhousen and Killick and Clemens (1963). In the end we chose not to adjust our estimates because there was no obvious way to do so consistently for each species and area.

3.2.3. Comparison of Numbers Estimates for Sockeye, Pink and Chum

The next step in this analysis is to show the relationship between our catch-in-numbers and the DMF catch-in-numbers. The purpose of this comparison is to test the hypothesis that the two independent data sets measure the same commercial catch. Sockeye, pink and chum are grouped together because they are the so-called "net" species, that is prior to 1950 they were caught overwhelmingly by gillnet and seine gear. With a few exceptions, differences between the two data sets are slight (Figure 21). As expected, the ratios of the annual catches from the two sources are close to one and without obvious trends over the 1920 to 1948 period (Figure 22). These results suggest that catch estimates for sockeye, pink and chum from the two data sets are similar, and that biases due to use of 1951-1954 average weights, if present, were not of major consequence.

The regressions of sockeye, pink and chum catch-in-numbers from DMF Annual Reports on catch-in-numbers from this report were all significant ($p < 0.01$) with the goodness of fit values, $\mathbf{R}^2$, falling between 0.87 and 0.94, indicating close statistical relationships between the two data sets (Figure 23). The slopes for sockeye and chum salmon were not significantly different from a slope of one ($p > 0.05$) when each was tested individually. The intercepts were positive, but not significantly different from an intercept of zero. The slope for pink salmon (and for odd and even-year brood-lines regressed separately) was significantly less than one ($p<0.01$). The intercept was positive and significantly different from zero ($p<0.05$) for even year pink and even and odd-year pink combined, but not for even year pink. This suggests a small systematic bias in the relationship between the DMF pink salmon catches and ours.

Based on paired sample t-tests, there were no significant differences in mean catches from the two data sets for sockeye, odd-year pink, even-year pink and chum ($p>0.05$), but there was a significant difference when odd and even-year pink salmon were combined ($p<0.10$). Landings of pink salmon in numbers from this report were on average 4.8% less than the estimates of catch-in-numbers from DMF. As well, in 19 of 29 years our numbers for pink salmon were less than DMF's; this was significantly different from 50:50 at $p<0.05$ (one tailed Chi-square). Landings of sockeye and chum salmon in pieces from this report were on average 3.1% more and 5.0% less, respectively, than the estimates of catch-in-numbers from DMF. For sockeye and chum, in 11 of 29 and 17 of 29 years, respectively, our numbers were less than DMF's; neither was significantly different from 50:50 ($p>0.05$).

On the basis of these results, we conclude that catch-in-numbers data for sockeye and chum from this report and from DMF, each derived from independent collections of statistics, measure the same commercial catches. In addition, these results suggest that for these species possible trends in average weight and our use of 1951-1954 average weights did not seriously distort our 1920 to 1948 estimated catch-in-numbers from those published by DMF.

For pink salmon, the high $\mathbf{R}^2$ values suggest a strong and consistent relationship between our catch-in-numbers and those from DMF. However, the fact that slopes were significantly less than one and that there were more years (66%) when our catches were less than DMF's, suggests a systematic bias in the pink data set.

The deviations of slopes from one could have arisen if the average weights that were used in this report to calculate numbers of pink salmon caught were too high. Given this was the only source of error[9], let us assume that true catch-in-numbers, $\mathbf{N}_{ij}$, equals $\mathbf{N}_{\mathbf{DMF}ij}$, where $\mathbf{N}_{\mathbf{DMF}ij}$ is the annual catch-in-numbers in year i of species j from DMF. In this report we estimate true catch-in-numbers for the same years by,

$$\mathbf{n}_{ij} = \mathbf{T}_{ij}/\mathbf{w}_j \tag{1}$$

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[9] Clearly there are more potential sources of error than just average weights. Canned pack/GLW conversion factors and species compositions could have had systematic errors, reports from companies could have been consistently biased, as could have been, for example, DMF records of fresh/frozen salmon prepared by fishermen, or DMF catch-in-numbers. We discuss some of these potential sources of error in the Discussion, but are generally of the view that these other error sources were minor.

where, $\mathbf{T}_{ij}$ is our catch-in-mt of species j, and $\mathbf{w}_j$ is our estimate of the true average weight, $\mathbf{W}_j$, of species j for 1920 to 1948. Recall that $\mathbf{w}$ is the average weight for the 1951 to 1954 period. The regression relationship we used to compare the two sets of numbers data is,

$$\mathbf{n}_{ij} = a + b\mathbf{N}_{\mathbf{DMF}ij} \qquad (2)$$

Let us further assume that $\mathbf{T_{ij}}$ is the true catch-in-mt, and is equal to $\mathbf{T}_{\mathbf{DMF}ij}$, where,

$$\mathbf{T}_{\mathbf{DMF}ij} = \mathbf{N}_{\mathbf{DMF}ij}\mathbf{W}_j \qquad (3)$$

Now the regression relationship is,

$$\mathbf{T}_{ij}/\mathbf{w}_j = a + b\mathbf{T}_{\mathbf{DMF}ij}/\mathbf{W}_j \qquad (4)$$

Because $\mathbf{T}_{ij}$ is assumed to equal $\mathbf{T}_{\mathbf{DMF}ij}$, a equals zero, and the relationship becomes,

$$\mathbf{W}_j = \mathbf{w}_j b \qquad (5)$$

So, given that we have accurately estimated the total GLW of pink salmon landings, and that the DMF data accurately estimate the respective catch-in-numbers, then true average weights, $\mathbf{W}_j$, can be estimated from equation 5 using the slopes, b, from the two catch-in-numbers regressions. Values in pounds of **w** (1920-1948 averages from our analyses) and **W** for pink salmon are compared below:

	Odd-year	**Even-year**	**Combined**
w	5.33	4.64	5.00
W	3.95	4.12	4.26

These differences imply our analysis could underestimate pink catches by, on average between 13% and 35%.[10] However our catch-in-number were on average only 4.8% less than DMF's so a 13-35% bias due to using 1951-54 average weights seems too high.

Closer inspection of the pink data sets showed that the discrepancy between them was largest in years when DMF's numbers were exceptionally high. Eliminating the six years when DMF's catches exceeded 12 million from the regressions, 1926, 1928, 1930, 1936, 1945 and 1947 (see below), increased the regression coefficients to 0.87 for odd years from 0.74, 0.98 for even years from 0.89, and 0.94 for odd and even years combined from 0.85. None of the slopes differed from a slope of one ($p>0.05$)

Year	DMF Catch '000	This Report Catch '000
1926	13,604	14,151
1928	14,334	14,311
1930	23,873	20,384

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[10] 100(w-W)/W = estimated percent underestimate.

1936	12,114	10,786
1945	14,454	12,566
1947	12,334	9,327

and the intercepts were not significantly different from zero. This suggests that our average weights were reasonable except in years of high pink abundance when they were too high. This might reflect a density-dependent effect on pink growth in years of high abundance (Welch 1994MS, 2002MS, Bigler *et al.* 1996), which would not be accounted for by using average weights. Regardless, we conclude that ours and DMF's data for pink salmon measure the same commercial catches.

3.2.4. Comparison of Numbers Estimates for Coho, Chinook and Steelhead

In this section we test the hypothesis that the two independent data sets for coho, chinook and steelhead measure the same commercial catch. Figure 24 compares the estimates derived by us (solid line, 1875 to 1950) with the DMF numbers (solid squares, 1920 to 1948) for coho, chinook and steelhead.

For the 1920 to 1948 period the DMF catches of coho and chinook were generally much less than catches in this report (24 of 29 years for both species). Based on paired sample t-tests, average catches of coho and chinook from DMF were significantly less than corresponding average catches from this report ($p < 0.01$). In Figure 25 it can be seen that, prior to 1933, the ratios of catches from the two sources were consistently much greater than one for coho and chinook, and varied from 1.2 to 0.2 for steelhead. From 1934 onward the ratios for all three species varied around one, becoming closer to one towards 1950. For this later period, the average catch-in-numbers for coho and chinook from this report were not significantly different from those by DMF ($p>0.05$). It is clear from these results that, except for a few isolated years, catch estimates from the two data sets differed.

The DMF steelhead estimates differed from those we developed, but for the most part the DMF numbers were higher than ours (20 of 29 years). In general, however, the steelhead catches were small and more variable than catches for the other salmon species (less than 0.5% of the total landings were steelhead). As a result minor errors in species composition of products for chinook, coho and chum, the species most commonly used for products may have resulted in relatively large errors in the estimated proportions of steelhead. Data with this type of error are difficult to analyze; there are no further analyses of steelhead data.

Regression of coho and chinook catches from DMF on catches from this report were significant only for coho ($p < 0.01$) (Figure 26). The slope of the coho regression was 0.402, significantly less than 1.0 ($p < 0.01$), $\mathbf{R}^2$ was only 0.339, and the 95% confidence interval for the positive intercept, *a*, did not bracket zero.

From the above results we conclude that for coho and chinook, the DMF Annual Report data and the data from this report do not measure the same catches.

There are various circumstances that could have produced these results. For example, many coho and chinook that were recorded as fresh/frozen in the government statistics may have simply been in temporary storage before canning or processing into other products, hence these fish might have been double counted in the DMF product and canned pack statistics, and as a result also in our analyses. Therefore our coho and chinook catches would overestimate true catches. Alternatively, counts of coho and chinook that were used for products other than canned might not have been fully included in the DMF catch-in-numbers statistics, hence the DMF numbers data would underestimate the true catch. Another possibility is that catches by trollers, who were known to harvest substantial numbers of coho and chinook (but few of the other species) were inaccurately tallied in the numbers data (perhaps some coho and chinook were omitted or double counted). For example, in FRC-Ottawa files for 1922 and 1926, the authors found tables of numbers of salmon caught in Districts I and III with footnotes stating that:

> *The shortage* (in numbers caught) *consists of fish caught by trollers and which are not included in the numbers caught, having been exported. Considerable quantities of red springs were also disposed of to the fresh fish trade* [noted on Schedule II records], *and these, also, are not included in the numbers reported caught.*

Such underreporting could explain why the two sets of sockeye, pink and chum catches were closely correlated, but the coho and chinook catches were not.

For several reasons we consider the first hypothesis (double counting) to be unlikely. The landings presented in this report were derived from product and canned pack weights reported by companies to the Dominion government. It is unlikely that these statistics involved extensive double counting, as hypothesized, since such a practice would have had to remain undetected by government and company bookkeepers for decades. Certainly Burton (1949) didn't consider this to have been a significant problem in his review of the pre-1951 DMF statistical system when he concluded that:

> *... the statistics on output of products, in terms of product weight, are accurate. The method now used to collect these data, viz. schedules completed by processors, is the most satisfactory one available.*

In light of Burton's conclusions, it is not surprising that there was no evidence in the historical material that double counting was a major problem. If anything the opposite situation occurred as companies often had to be reminded to submit the required statistical forms. Since the available evidence does not support the hypothesis that coho and chinook landings from this report are overestimates, it will not be considered further.

In the next two sections we explore the hypothesis that the DMF Annual Report data underestimate the coho and chinook catch. Since the relationship between the coho and chinook data from this report and from DMF changed quite markedly after 1933 (Figure 25), the year that DMF officially began to account for transfers in the published statistics, the analyses that follow are divided into two time periods, 1920-1933 and 1934-1948.

3.2.4.1. Comparison of 1920-1933 data sets

During the 1920 to 1933 period the DMF numbers were consistently less than the numbers generated by our analyses (all points are above the dashed one-to-one line in Figure 27) implying that some data may be missing from the DMF data series.

To test whether the 1920-1933 DMF catches were missing some or all of the fish used for products other than canned salmon, regressions of DMF numbers on numbers from this report were compared. The numbers of coho and chinook we estimated to have been used for fresh/frozen salmon prepared by fishermen, for fresh/frozen salmon prepared by companies, for mild cured (chinook only) and for remaining products, were successively subtracted from the total numbers of coho and chinook calculated from our analyses. For coho, $\mathbf{R}^2$ values were all significant and improved in each case (Table 59). In the fourth regression in Table 59 for coho (total numbers from this report less product numbers) the slope was not significantly different from one, the intercept was not significantly different from zero, and $\mathbf{R}^2$ was 0.677 ($p < 0.01$) (upper graph, Figure 28). For chinook, $\mathbf{R}^2$ values were all statistically significant and increased until mild cured chinook were subtracted (eighth regression in Table 59). At this point $\mathbf{R}^2$ dropped from 0.759 (middle graph, Figure 28) to 0.602; when numbers of chinook from all products were subtracted $\mathbf{R}^2$ was 0.617 and the 95% confidence interval for the intercept did not bracket zero (lower graph, Figure 28).

On the basis of these results it would appear that for years prior to 1934, the DMF catch-in-numbers data underestimated the true catch of coho due to omission of coho that were used for products other than canned salmon. This mainly involved fresh/frozen product since coho were not extensively used for other non-canned product forms (Appendix E). For chinook, it also appears that the DMF catch-in-numbers data for 1920 to 1933 underestimate the true chinook catch due to omission of chinook used for products other than canned salmon. However, the fact that the goodness of fit statistic decreased and the DMF numbers exceeded our numbers when mild cured chinook were removed suggests that chinook used in mild curing were included in the DMF catch-in-numbers data. Because the slopes of the "best" regressions, number four for coho and number seven for chinook, did not differ significantly from one and the intercepts were not significantly different from zero, we infer that possible trends in average weight, and our use of 1951-1954 average weights, did not seriously distort our estimated catch-in-numbers data between 1920 and 1933.

3.2.4.2. Comparison of 1934-1948 data sets

The purpose of this section is to try to determine why the two data sets for coho and chinook differed for the 1934 to 1948 period. Figure 29 presents the relationships between the DMF numbers and the total numbers from this report for this period. Unlike the 1920 to 1933 period, the DMF numbers for 1934 through 1948 actually exceeded the numbers from this report in five of fifteen years for coho and chinook (points below the dashed lines in Figure 29). Figure 30 presents the relationships between the DMF numbers and the canned pack numbers from this report. In this figure virtually all the DMF numbers exceed the numbers from this report. Clearly some of the salmon used for products must have been included in the DMF data for 1934 to 1948, but no matter how the numbers based on various product data from this report and the DMF data were combined, the regressions were not statistically significant. The 1934, 1935 and 1936 data points have been identified in Figure 30 because, as discussed in more detail below, troll catches in those years were anomalously high.

An examination of the troll catch component of the DMF Annual Report numbers (Table 60) shows that there was a large increase in the troll catches of coho and chinook in 1934, 1935 and 1936, whereas there was scarcely any change in the numbers of licensed troll vessels (Table 60), and hence presumably little change in troll effort. The troll catches of chinook for 1934 through 1936 were almost an order of magnitude higher than troll catches in the previous three years; coho catches for these years were about double previous catches. In contrast, chinook and coho catches from nearby Pacific north west states were near average for these years (Shepard *et al.* 1985). In his review of the B.C. troll fishery, Milne (1964) considered the 1934-1936 troll catches of coho and chinook to be "grossly overestimated". These observations suggested that the problem we had with the post-1933 data was with the troll catch component.

To test whether the problem really was with the troll catch, we repeated the regressions after attempting to eliminate the troll catch from both data sets. For coho, we regressed estimated numbers used for canning from this report (our total numbers less our product numbers) on the DMF numbers less the total troll catch of coho and blueback (small coho) from DMF Annual Reports (Table 60). By using our numbers from the canned pack we are in effect assuming for our data that all of the troll catch went into non-canned products. The value for $\mathbf{R}^2$ for this regression was 0.252; the regression was not significant (Figure 31, upper graph).

Blueback was a term the processors used for small coho (<3 lb round weight) that were mostly only of suitable quality for canning; so in the next regression we assumed that troll-caught bluebacks were in fact all canned. When bluebacks were added back into the DMF numbers and the regression repeated, $\mathbf{R}^2$ increased to 0.483 ($p<0.01$), the slope of 1.503 was not significantly different from a slope of one ($p>0.01$), and the intercept was not significantly different from an intercept of zero. The fit improved ($\mathbf{R}^2 = 0.524$) without the 1941 outlier (lower graph, Figure 31). We conclude that DMF numbers data did reasonably accurately account for troll caught bluebacks that were used for canning, but did not accurately account for troll caught coho that went into other products.

There was only one DMF category of troll catch for chinook to compare with our chinook data. To be consistent with our approach for coho, we examined the relationship between the DMF numbers less the troll catch of chinook, and our numbers based only on canned chinook (i.e. total numbers less the numbers of chinook that we computed from other products). Numbers for canned chinook were consistently well below the DMF numbers less troll caught chinook (Figure 32, upper graph) . As noted in the previous section, this may have resulted from a substantial proportion of the troll chinook catch being used for products other than fresh/frozen. Our historical research had demonstrated that that product could only be mild cured chinook (see Appendix E). Therefore the final relationship we examined for chinook was between numbers from this report for canned plus mild cured (i.e. total numbers less numbers from other products except mild cured) and the DMF numbers less troll caught chinook (Figure 32, lower graph). Two outliers, 1936 and 1943, were excluded from the regression because in these years the gillnet catch from the DMF reports was more than double gillnet catches in the five years before or after. In fact these two gillnet catches were by far the highest on record between 1920 and 1948 and we consider them to be in error. For this regression $\mathbf{R}^2$ was 0.301 and the slope was 0.553. The regression was significant ($p<0.05$), the slope was not significantly different from a slope of one, and the intercept was not significantly different from zero.

On the basis of the above results we conclude that the troll catch was inaccurately accounted for in the DMF data for coho and chinook between 1934 and 1948. There also would appear to be a problem with the gillnet catches reported by DMF for 1936 and 1943.

3.3. Comparison of Landings Before and After Introduction of Sales Slips

As a further check on the degree of accuracy of estimates we derived from product information, we compared the magnitude of catches recorded for different areas immediately before and immediately after the introduction of the sales-slip system in 1951. It will be recalled that a major concern of Burton (1949) with the pre-1951 system was its ability to account for transfers of salmon between areas, a shortcoming largely overcome by the new system. The analysis outlined below hypothesises that if the pre-1951 statistics inadequately accounted for transfers in a significant manner, one would expect there to be an abrupt change in the magnitude of recorded catches before/after 1951/1950.

The annual catches by species and area for 1941 through 1960 show no obvious evidence of such shifts in landings (Figures 33-36). Going further, we calculated average catches by species and area for five- and ten- year periods before and after sales slips were introduced (Table 61). We submitted the average catches to a simple test to examine whether or not there were distinct shifts in estimated catch levels. As outlined earlier, in the years before the new statistical system was put in place, we found evidence of salmon being brought from outlying areas such as the North Coast and the west coast of Vancouver Island (WCVI) to the Skeena and Fraser Rivers where fish processing establishments were concentrated. We hypothesize that the higher averages should be evenly split between years before and years after sales slips if there were only random variations in abundance and exploitation affecting catch (null hypothesis, H_o). Alternately, if there were problems tracking transfers then catch averages for outlying areas should be lower before and higher after sales slips were introduced, and averages for central processing locations (i.e. Skeena River and Fraser River) should be higher before and lower after (alternate hypothesis, H_A). Below we use the pairs of five-year averages and one-tailed Chi-square to test these hypotheses. In the analysis, sockeye, pink, chum and steelhead, which were caught primarily by net gears, are treated separately from coho and chinook because the latter species were caught primarily by troll gear and trollers' landings were more difficult to account for (see previous section). The data below are the number of average comparisons that supported either hypothesis.

	Sockeye, Pink, Chum and Steelhead			**Coho and Chinook**		
	H_o	**H_A**	**X^2**	**H_o**	**H_A**	**X^2**
North Areas	8	12	0.8	4	6	0.4
South Areas	10	10	0.0	2	8	3.6*
Combined	18	22	0.4	6	14	3.2*

The null hypothesis is supported for the net species suggesting that the change in statistical system did not result in an abrupt change in catch. This appears not to be the case for the species caught by trollers - coho and chinook. Similar results were obtained when we classified the ten-year averages.

Trends in abundance or exploitation could have given rise to significantly higher catches post-1950 for coho and chinook. For example, the troll fishery grew substantially between 1940 and 1960 (Milne 1964) increasing many outside area catches and undoubtedly contributing to decreased terminal area catches. Since the largest troll fisheries developed on the WCVI and around the Queen Charlotte Islands (QCI), these areas were examined more closely as they would be most likely to show the effects of improved catch accounting. We combined chinook for WCVI and QCI because fisheries in these areas have similar stock compositions (Pacific Salmon Commission 1994).

In our view catches in Figure 37 demonstrate significant increasing trends (WCVI coho, WCVI+QCI chinook) or no trend (QCI coho) rather than steep changes between the two time periods (1941-1950 and 1951-1960). Similarly, Skeena River and Fraser River coho and chinook show significant decreasing trends rather than an abrupt change over the same pre/post sales slip period (Figures 38 and 39).

It would appear that the growing troll fishery was largely responsible for these trends. The close relationship between total WCVI catches for coho and chinook and WCVI troll catches for coho and chinook from Milne (1964) and Argue *et al.* (1987) (Figure 40), lends support to this interpretation, as does the significant ($p<0.01$) inverse relationship (**r** = -0.628) between total Fraser River chinook catches and WCVI chinook catches by trollers.

4. DISCUSSION

Commercial harvest statistics are important building blocks for biological studies of the production of Pacific salmon and the factors affecting their production. Such studies require reliable measures of numbers and weights of salmon harvested by species, area and over a long period of time. For British Columbia, such information has only been available in comprehensive form since the sales slip system started in 1951. In contrast, prior to 1951, statistics were prepared primarily for economic purposes, concentrating on the volume and value of the canned pack and other products processed in an area rather than on quantities harvested. The production statistics were available to us for each area back to 1828, however until now these data had not been converted to landed weights and numbers of fish in the commercial harvest. In the discussion following we provide our perspective on the reliability and completeness of the data we have developed in this paper (Intermediate Tables 4-37 and Summary Tables 44-54)), observations on trends in British Columbia salmon production using pre and post-1951 data, and suggestions for further historical research.

4.1. Reliability and Completeness of Landed Weights

4.1.1. 1828-1875

Our estimates of commercial harvests for this period were based on fragmentary records of products by the Hudson's Bay Company (mainly for overseas trade), occasional records of economic activity in the Colonies of Vancouver Island and British Columbia, and a few historical papers (e.g. Shepard and Argue 1989). As such, for most years the harvest records were probably incomplete and, aside from clear-cut evidence that sockeye salmon predominated in production and that pink and chum salmon were not used commercially, assessments of the species composition of harvests were based mainly on our professional judgement. Because commercial production was limited almost entirely to the Fraser River and its approaches, determining the location of the harvests, which presented vexatious problems in later years, was not an issue.

In general, for this early period, estimates of commercial harvests must be considered underestimates and assessments of species composition approximate.

4.1.2. 1876-1900

From 1876 through the turn of the Century growth of salmon fisheries accelerated, spurred on by the development of canning, which overcame the problems of preserving salmon products for shipment to distant markets. Most processing establishments were relatively large enterprises and their records of production, on which Department of Marine and Fisheries (DMF) compilations were based, were complete in terms of total weights of canned, pickled, fresh/frozen, smoked and salted product. These production data, supplemented by historical records, allowed us to develop estimates of green landed weights of products for each of ten broad coastal areas.

Fresh and frozen salmon were used for subsistence as well as commercial purposes. We carefully reviewed the DMF records, excluding those that we considered were used for subsistence purposes, and including those we considered were commercial sales. However, these early records were admittedly confusing in the DMF reports. Since it is likely that fishermen have always made direct sales of salmon, particularly coho and chinook salmon, and direct sales are notoriously hard to document (even today), we feel this is reason to question the fresh/frozen product tallies.

On the basis of the foregoing considerations, we concluded that during 1876-1900 the recorded amounts of canned, pickled, smoked and salted salmon, which, in total, accounted for 95% of the recorded harvest, were quite complete, whereas the recorded amounts of salmon sold as fresh or frozen fish likely were incomplete (further details in Section 3.3 of Appendix D).

To convert product weights to green landed weights, we used conversion factors developed after 1900 by DMF; we did not find these in the published records until 1933. For canned products, archival data show that during the late 1800s, when the canning industry was well established, that a conversion factor of 1.75 lb of raw fish to one lb of canned product, the same as DMF used in later years, was appropriate. For products other than canned, production methods have remained essentially the same throughout the history of the fishery through 1950. We verified this by using 1933 conversion factors to recreate the published DMF green landed weight (GLW) data from the product amounts for 1932 back to 1910 (Section 4.3 in Appendix D), the first year DMF published GLW for each area. On this basis we consider that the conversion factors used during the Twentieth Century were appropriate for converting product forms to harvest during 1876-1900.

Next in our analysis we allocated estimated GLWs among species. There were few records of actual quantities of each species used during the period. We therefore had to make a number of assumptions in reaching estimates of catches on a species by species basis. For canned products, forming the bulk of the harvest, it is known that sockeye salmon predominated. However, archival material shows that chinook and coho also contributed. We estimated the proportions of the latter two species mainly on the basis of fragmentary information available for the early 1900s. Such estimates must be considered approximate. For salted products, it is clear in the archival record that virtually all dried and salted salmon were prepared for Asian markets and comprised chum salmon. Chinook have always predominated in the smoking process. It was therefore considered that species designations for these products were reliable.

In contrast, there is considerable uncertainty regarding the species used in production of pickled products. From the early 1870s onward, pickling was carried out mainly as an offshoot of canning operations. In this report we made our estimates of the species composition of salmon used for pickling by assuming that the same mix of species were used for pickling as for canning. We know of no way to test this assumption, and estimates of weights of salmon based on it must therefore be considered approximate. However, during 1876-1900, pickled salmon formed a minor proportion of the harvest (<3%) and errors in estimation of species composition would introduce little bias to trends in total salmon production during this period.

There were no records of species composition for fresh and frozen fish during the 1876-1900 period. In developing our estimates, we assumed that salmon used for fresh and frozen products by companies were limited to sockeye, coho, chinook and steelhead and that the relative proportions of each were the same as during 1923-1930, the earliest period during which extensive records of species composition of non-canned salmon were available (see Appendix E). For salmon sold directly by fishermen, we assumed a broader mix of species based on species composition data for directly sold salmon during 1923-1930. Whereas the assumptions made are not unreasonable, we are not aware of any way they can be tested.

Since fresh and frozen salmon were estimated to have formed only about 5% (Table 55) of the total commercial harvest (mostly sockeye), errors in their estimation should not introduce significant bias into overall trends. However, a higher proportion (15-25%) of chinook and coho salmon landings in 1876-1900 originated from fresh/frozen product. In this case, errors in estimates of quantities and species compositions of fresh/frozen landings could introduce larger errors in estimates of landings for these species.

In summary, 1876-1900 was a period of rapid development in the fishery. DMF reporting of salmon production was steadily improving. Records for quantities of salmon canned were probably quite complete. Sockeye salmon predominated in the catch (approximately 80 %), but species other than pink and chums (these species entered the canned pack in small amounts late in this period) also contributed to the canned pack. Information on the proportional contribution of these species (chinook and coho) is lacking and our estimates therefore must be treated with caution. For the 12% of salmon production not accounted for by canning, information on quantities and species composition must be considered as approximate, but considerably more complete than in the 1828-1875 period. Assessments of species composition for other products for 1876-1900 are weakest in respect of chinook and coho salmon.

With regard to transfers of fish between areas for processing, in the 19th Century it is known that fishing vessels did not travel far from the places where they eventually sold their catches. Therefore, we considered it reasonable to assume, unless documented to the contrary, that the fish were caught in the same area as they were reported to have been processed or sold to the public. In the few instances during this period when small amounts of transfers were reported we adjusted the landings data on the summary tables (see Appendix F, Sections 6.1.3 and 6.1.4).

4.1.3. 1901-1922

Based on historical material revealing a proliferation of reporting forms and exchanges of correspondence about the production statistics, we believe that DMF devoted increasing care and attention to obtaining full and accurate accounts of the quantities of salmon canned or processed into other products. When DMF began converting data on quantities of salmon processed by all methods to GLW in 1910 it gave us the opportunity to confirm the appropriateness of our using the conversion factors we uncovered for 1933 to convert canned packs and products to GLW for earlier years.

The biggest change in terms of availability of data began in 1901 when annual data on the species composition of the bulk (about three quarters from 1901 to 1922) of the salmon harvest, namely the portion of the harvest used for canning, became available. The principal reason for this change was that the industry began to can all six species of salmon and to label them by species. Since there were price differentials between species in the marketplace, government decided to include a species breakdown of canned salmon in the published reports, but usually only for the province as a whole.

Provincial Government reports and Yearbooks of the Pacific Fisherman provided breakdowns of species compositions for canned salmon packs of individual canneries throughout the Province. These data, which we considered to be reliable, were used as samples to estimate the species composition for the total pack that DMF and DBS reported for each area in the province. The location of each cannery was determined and their packs assigned to one of the ten broad areas (see Table E24 in Appendix E). These totals were usually equal to or very close to the DBS totals, thus giving us confidence that species compositions for canned packs in each area are accurate.

It is very difficult to assess the accuracy and completeness of amounts of salmon prepared in fresh or frozen form by fishermen. From approximately 1920, and likely for several years before, the numbers of troll vessels was in the thousands (Table 60) and they were scattered coast-wide. This contrasted with the companies which numbered in the hundreds and which were becoming concentrated in fewer and fewer places. Since DMF depended on information provided by the processors or sellers of fish, it is likely that coverage of production by companies was far more complete and accurate than coverage of production by individual fishermen. We see no easy way to assess the degree to which this surmise would have introduced a bias into the results of our analyses.

Overall, we conclude that improvements in recording of species composition of the canned pack contributed to much more reliable estimates of landed weights by species and area than had been available before. Uncertainties remained regarding species composition of salmon sold in fresh and frozen form, however quantities of such fish remained a relatively low percentage (5%-17%) of the total GLW (Table 55). Studying fragmentary data and narratives for earlier years, we concluded that it was reasonable to assume that the species composition of the other product forms prior to 1923 would not be substantially different than during 1923-1930 when we had species compositions by product and area from the historical record.

Prior to 1910 we assumed that transfers of fish from one area to another for processing were insignificant. There was, however, a documented transfer of small quantities of salmon from the Sooke traps to the Fraser River in 1904-1905, the first two years of trap operation. The fish were of poor quality at the destination so the practice was discontinued.

After 1910, motorization, changes in fishing techniques and the desire of processors to centralise their operations led to increasing instances where salmon caught in one area were landed and processed in another. This trend probably started in earnest around 1915 with the expansion of the motorised troll fleet whose vessels tended to travel relatively long distances and to move between areas.

As a result of transfers between areas, GLW based on estimates of the quantities of various products in various areas do not provide an accurate measure of the quantities of salmon caught in that area. DMF recognised this deficiency and spent major efforts to address the problem. However, it was not until 1933 that DMF/DBS Annual Reports took transfers of raw product between areas into account when providing estimates of landings by area.

We reviewed available narrative accounts and some fragmentary records of transfers from DMF historical files in order to assess and correct for biases that had been introduced as the result of the transfers. Such information was most complete for the northern areas. For the most part the adjustments we made for transfers prior to 1923 in each area were minor.

In summary, during 1901 to 1922 the completeness and accuracy of production records by area, and their conversion to GLW by species were substantially improved over earlier years. However, with the mobility of the fleet increasing and with transport networks developing, increasing amounts of salmon were transported from areas in which they were harvested to different areas for processing and sale. As a consequence, the statistical system, which recorded only quantities of fish by area of processing, provided somewhat less reliable information on the actual quantities of salmon harvested in different areas. We did not correct for transfers in the tables of canned packs (Tables 7 to 16) or products (Tables 17 to 26) in order to be consistent with the published DMF production data. However, we were able to identify areas and years where transport of fish would affect landings estimates, to establish measures of biases due to these transfers, and finally to effect adjustments to the landings data for transfers. These adjusted data are shown in bold and italicized font in Summary Tables 44 to 53.

4.1.4. 1923-1929

DMF's statistical system steadily evolved through the 1920s, with increasing emphasis on completeness and accuracy; systems were developed for estimating production in terms of landed weights rather than product weights. Of importance, 1923 marked the first year that comprehensive species composition data were available for all product forms. Bookkeepers at processing plants compiled these data and submitted them to government. We consider this a major advance in the quality of the production data we had to work with as it eliminated any uncertainty we had in the species composition for products, particularly for fresh/frozen salmon prepared by companies and fishermen. We conclude that, on a Province-wide basis, estimates of landed weights by species became increasingly complete and accurate.

The year 1929 was the last that transfers were unaccounted for in northern British Columbia. We are confident that our adjustments for transfers amongst northern areas for 1929 and earlier years are reasonable and an improvement over unadjusted data. There is more uncertainty surrounding our adjustments for transfers amongst southern areas of District III and District I during this period because the earliest government adjustments for transfers were in 1933 (compared to 1930 in District II). However, there is no doubt that in the south transfers were substantial and had to be accounted for. We view our adjusted data in the summary tables as more accurate than the unadjusted data.

4.1.5. 1930-1950

In general, our tabulations of the annual commercial harvest data for 1930-1950 are considered to be complete and accurate. However, for 1933 to 1944 for the areas of District III, we had to correct the GLW by species and area for transfers. This entailed using data in GLW or product amounts from DMF forms in the historical record (e.g. Appendix F, Tables F24 and F27) for each area that were collected by Fishery Officers from information provided by processing establishments (e.g. Table F28). Because available data were sparse for some years and areas, some of our results for individual areas in these two Districts may contain inaccuracies. However, total GLWs are consistent with those in DBS publications, and DMF statisticians had adjusted the DBS totals for transfers. Our analysis in Section 3.3 of harvests in these areas for ten years before and after sales slips were introduced (1951) gives us further confidence that our adjustments for transfers were reasonable.

We introduced minor inaccuracies into the total provincial landings for 1930 to 1932 by assuming there were no northern BC - southern BC transfers. This assumption was necessary because we lacked southern transfer data for these years. We feel that most uses of aggregated northern or southern data could absorb this bias (±2.5%). However, transfer of northern production to southern areas and vice versa may have introduced more sizeable biases in landings for some individual southern areas (over 10%) in these years (see Section 6.4 in Appendix F).

For District I, our adjustments for transfers hinge on the assumption that DMF's transfer adjustments for salmon used in canning (from Anonymous 1958) are appropriate for salmon used in products. We see no clear way to test this assumption due to a lack of historical material for District I in the DMF files.

4.1.6. The Need by 1950 for a New Statistical System

The production-based statistical system for the British Columbia salmon fishery ended in

1950. Complex and numerous forms had burdened it. Furthermore, the data collected were unsuited to the needs of federal government biologists who were charged with researching the status of the stocks, and providing advice to fishery managers.

As processing became increasingly centralized, keeping track of transfers within a year became a major bookkeeping exercise for company and government officials that was fraught with data gaps and analytical pitfalls. As a result, there was increasing concern about the accuracy of the procedures used by DMF, particularly when the use of these data was for biological purposes on a much finer area and time scale. This was the main reason that, in 1948, Professor G.L Burton was called upon to review the production-based statistical system and to make proposals for its improvement (Burton 1949).

Although Burton felt the basic annual production statistics were accurate and their equivalent GLW was reasonably precise, his final report was quite critical of the accuracy of DMF's estimates of the landed catch by species and area. In his conclusion, he stated that:

> *The statistics on catch of salmon by area of capture are inadequate, not because of any lack of diligence on the part of the statistician assembling them, but rather because of inherent weaknesses in the statistical method employed. There are too many inter-plant shipments of salmon, too many salmon processed in areas other than those in which they were caught,* [and] *too much inter-mixture of salmon from different areas in packer boats and cold storage plants, to permit of accurate statistics being secured ....*

These criticisms were not new. Throughout the post-1932 files, DMF personnel often commented to the effect that weekly and monthly returns for an area seldom corresponded with the "final and correct annual returns", and that transfer data received from "the field" during the fishing season were difficult to reconcile amongst areas.

Burton did not provide detailed analyses to quantify the extent to which he concluded that faulty information on transfers might have biased the pre-1951 data. Since his proposals for improvements would overcome any substantive transfer problems, there perhaps was no need for him to provide precise measures of past shortcomings.

It will be recalled that his proposals for revamping the statistical system dealt with providing very detailed information on a weekly or monthly basis for much smaller areas than we used. Provision of such detailed data would be very vulnerable to transfer errors. All things considered, we believe that by our using an annual time period and large areas (i.e. combinations of DBS/DMF areas), the data in this report are less subject to error than data for shorter time periods and smaller areas. It is our view that at this level of detail the DMF statistics, adjusted for transfers, provide reasonably accurate measures of annual catches for each of the ten areas.

4.2. Numbers of Salmon in the Annual Commercial Harvest

The foregoing discussion dealt with estimation of landed weights of salmon. Biological analyses more often rely on numbers of salmon rather than on weights. Prior to 1951 DMF did not provide data on numbers of salmon caught in each area. As outlined in detail earlier, we developed estimates of numbers of salmon caught by species and area during 1828 to1950 by applying average weights for each species in each area during the first four years of the sales slip system (1951-1954) to our pre-1951 GLWs. The question is, just how appropriate are these average weights?

4.2.1. Sockeye, Pink, Chum

For 1920-1948, DMF Annual Reports provided estimates of numbers caught, by species and gear, for the Province as a whole. We compared the provincial totals from our analyses with the DMF data. We concluded that for sockeye, pink and chum, Province-wide catch-in-numbers data from DMF and from this report estimate the same commercial catch. Based on this analysis, our use of 1951-1954 average weights to estimate numbers of these species from the landed weights appears not to have introduced any systematic bias during the 1920-1948 period, as would be expected if there had been trends in average size such as Ricker (1981) documented for the 1951-1980 period. This result is consistent with the analysis of pre-1951 time series for trends in average size.

We can't rule out the possibility that there were trends in average size during this period in some areas and at certain times, and we note the lack of average size data for the 1800s (except for Fraser sockeye), but on balance we are comfortable that trends in average size have not seriously distorted our numbers of sockeye, pink and chum landed prior to 1951.

Careful comparison of the average size of salmon from 1951-1954 with average weights from earlier and later years suggested that for some species in some areas, 1951 to 1954 might have been a period of above average size. For example, our Fraser River sockeye average round weight of 6.95 lb is definitely at the high end of the historical range in size, averaging about 6 lb. And for pinks we believe our average sizes were too high in years of exceptional pink abundance.

Our analyses of the appropriateness of 1951-1954 average weights gave us few insights into how a better conversion to catch-in-numbers could be effected. For example it is unclear whether adjustments should be across the board, different in some/each area, and in any case how would we objectively determine the levels of correction? And what about accounting for inter annual variability in size? This often exceeded the differences that we have reported between averages for 1951-1954 and earlier years (compare Figures 6 and 20). In the final analysis we made no adjustment to our numbers data for these possible biases since we could see no obvious way to make consistent corrections across species, areas and years.

4.2.2. Coho, Chinook, Steelhead

For coho and chinook, the comparative analysis showed that prior to 1934 the DMF catch-in-numbers were consistently less than ours. For 1934 to 1948, the degree of underestimation decreased towards 1948, and for several years (e.g. 1934, 1935, 1936), the DMF catch estimates greatly exceeded our estimates. We conclude that the pre-1934 DMF numbers were biased mostly by omission of fish (possibly mostly troll caught fish) that were used for products other than canned salmon. In contrast, our analyses suggested that the problem with the post-1933 DMF data lay mainly with estimates of the troll catch. Troll caught coho and chinook were purchased by weight by many small fish buyers, the public, as well as by the large companies. Many troll caught fish were held in cold storage before being sold perhaps a year or more later. Such widespread buying in weight rather than numbers, and long periods of storage before processing must have made it extremely difficult to estimate the annual coho and chinook catch-in-numbers. We conclude that the post 1933 DMF catch estimates of coho and chinook salmon were biased by troll caught salmon that were inaccurately reported on troll licenses and that may have been double reported, perhaps as much as a year later by cold storage facilities. The net result - DMF published biased numbers caught, particularly for 1934 through 1936 (gross overestimates).

There are further considerations relevant to the chinook and coho data. Although we lack direct evidence, it is logical that the average weight of chinook and coho from 1951 to 1954 was less than in the years before the troll fishery became a major harvester (after 1910-1915). Commercial fisheries developed first near and in the rivers on the spring and summer spawning runs, and then further and further offshore and over a longer season as market demand increased for later timed runs, the troll fishery for coho and chinook grew, and fishing vessels were equipped with increasingly more powerful engines allowing them to operate further from fish plants and still deliver an acceptable product. This implies that the average size of coho and chinook should have been decreasing over time since fishing in rearing areas takes a higher proportion of immature fish, at generally younger ages and smaller sizes than the terminal net fisheries that target mature chinook and coho on spawning runs. So 1951-1954 average weights for these two species could be significantly less than their average weights in, for example, the period 1880 to 1930, especially for multi-aged chinook. Therefore our estimates of catch-in-numbers for chinook and coho could well be overestimated prior to 1930.

However, there also is the possibility that many of the troll caught chinook and coho sold in fresh/frozen form were actually marketed dressed head-on, which was the practice in the 1940s (Burton 1949). Since neither DMF statisticians nor we adjusted the fresh/frozen product weight for dressing, the numbers (and GLW) in this report for chinook and coho may be underestimated for some areas and years by as much as 15%, the industry standard reduction in weight for dressing salmon with the head on (see also Section 3.3 in Appendix D).

These considerations indicate that for coho and chinook, care should be taken in using our catch-in-numbers data for biological analyses, although we consider our data more accurate than that summarised in the DMF Annual Reports and reported by Kasahara (1963).

Because a high proportion of steelhead harvest went into non-canned products (over 70%, mostly fresh and frozen) and the percentage they formed of the total fresh and frozen product was low (< 3%), we judge the steelhead data most prone to bias and hence least reliable for biological analyses.

4.3. Trends in Salmon Harvests

Having made our best efforts to develop and explain the methodological basis for our estimates of British Columbia salmon harvests in ten areas from 1828 to 1950, it would be desirable to analyze these data to deduce trends and to examine hypotheses regarding causes for such trends. However, on a comprehensive basis such further explorations are beyond the scope of this paper. Nevertheless, some preliminary observations would seem appropriate.

4.3.1. Canned Pack

In presenting long term trends in salmon catches, some authors used only canned pack statistics to represent salmon catches prior to 1951 (e.g. Pearse 1982, Fraser *et al.* 1982). To examine the potential bias in such presentations, the contribution of products other than canned salmon to the landings of each species was examined (Table 62).

On a province-wide basis, sockeye clearly would be well represented prior to 1951 by catches based solely on the canned pack. Sockeye landings that went into products other than canned fish were never more than 9 percent of the total sockeye landings prior to 1951, and usually were under one percent. For pink salmon, there were ten years when non-canned products accounted for more than 10 percent of total landings prior to 1951 (note that pinks were not canned prior to 1899), otherwise the remaining percentages were all under eight, and so the canned pack would also be representative of the total pink salmon harvest. For the remaining species, relying solely on canned packs would result in significant underestimates of pre-1951 landings. For chum salmon, underestimates would generally amount to 4 to 100 percent of total landings; for coho, from 7 to 100 percent of total landings; for chinook, from 33 to 100 percent of total landings; and for steelhead, between 15 and 100 percent of total landings.

4.3.2. Fraser River Sockeye

Walters and Staley (1987) postulated that the great cyclic (four-year) swings in abundance in some Fraser River sockeye stocks, wherein production every four years greatly exceeds that in the intervening years, is maintained by commercial fishing at higher rates of exploitation in "off" years, tending to prevent the production blooms in those years. They also speculated that cyclic variations in the abundance of Fraser salmon could have arisen from an earlier intensive Aboriginal fishery.

Other authors have suggested that natural mechanisms such as predation (Ward and Larkin 1964), genetics (Walters and Woodey 1992) and lake rearing capacity (Jim Woodey, Senior Scientist, Pacific Salmon Commission, pers. comm.) maintain cyclic dominance. The abundant late Adams River sockeye stock, which exhibits strong cyclic dominance, was seldom fished by the pre-1940 commercial fishery (Gilhousen 1992) or by Aboriginals due to its late timing and poor flesh quality (Jim Woodey, pers. comm.). This observation supports some form of natural mechanism.

Cyclic dominance is apparent from the early Fraser sockeye production statistics that we compiled. With only two exceptions between 1849 and 1916, landed weights for Fraser sockeye for the combined 1901 dominant cycle and the 1902 subdominant cycle exceeded landed weights for the intervening two off years (Figure 41). Prior to the advent of intense commercial fisheries in the 1880s dominant/subdominant landings were 2.2 times landings in the two off years; the ratio was similar, 2.6 times, from 1880 to 1916. This would seem to rule out the commercial fishery as the mechanism maintaining cyclic dominance since prior to 1880 the harvest was large enough to have exerted such an effect on Fraser sockeye production.

The appropriate escapement targets for most stocks depend heavily on whether cyclic dominance is natural or man-induced (Cass *et al.* 2003). For decades this debate has challenged managers in setting the upper limits for Fraser sockeye production (Ricker 1950; Anonymous 1988). We believe that the above observations, coupled with experimentation since 1985 with high escapements for some stocks on off and dominant years, and a wealth of juvenile sockeye, lake productivity, and adult returns data provide fertile grounds for further research of cyclic dominance hypotheses.

4.3.3. Coastwide Salmon Abundance

Salmon populations are subject to wide swings in abundance. After almost a century of research, the root causes for such fluctuations are still only partially understood. Over the years many authors have speculated on man-made and environmental reasons for salmon catch fluctuations (e.g., Rounsefell and Kelez 1938, Hoar 1951, Milne 1955, Shepard and Withler 1958, INPFC 1962, Milne 1964, Ward and Larkin 1964, Fraser *et al.* 1982, Mysak 1986, Nickelson 1986, Beamish and Boullion 1993, Hare and Francis 1995). A few authors believe that harvest levels in pre-contact times were substantial enough to have affected the productivity of the stocks (Hewes 1973, Glavin 2000). Hewes suggested that following contact with Europeans there was a substantial decline in Aboriginal fishing thus creating a surplus of production that facilitated rapid development of the commercial fishery.

It is apparent that much remains to be discovered about abundance shifts for salmon stocks, and the mechanisms are bound to be more complex when climate and ocean effects are included (Beamish and Bouillon 1993, 1995; Hare and Francis 1995; Hare *et al.* 1999; Mueter *et al.* 2002).

The salmon fishery has a long history in British Columbia. To portray that history we graphed our 1828-1950 commercial data and data from the sales slip statistical system for 1951-2001 (Table 63), providing a record of commercial landings throughout the 174 year history of the fishery (Figure 42). Starting in 1828, the figure illustrates the slow growth of commercial fishing over the first fifty years followed by a rapid expansion, spurred by the advent of the canning industry, over the next 30 years. Then for over 80 years ending in 1997, catches were variable, averaging approximately 65,000 mt per year, but without a long-term trend. Peak total catches occurred in the late 1920s and again in the mid 1980s, before falling to pre-1900 levels since 1997 as a result of substantial changes to the management regime (e.g. management for small stocks/stock aggregates, in particular coho, and selective fishing).

The smoothed data in the lower panel of Figure 42 suggest a periodism with major peaks in landed weight occurring every 15 years or so. Disaggregated north and south coast data show similar periodism (Figure 43). This pattern is repeated for sockeye, pink, chum (Figure 44) and coho (Figure 45), but not as well for chinook (Figure 45). It is tempting to pursue this line of investigation further but that is beyond the scope of our investigation.

What struck us most in presenting the historical harvest data was the long period – 1910 to 1997 – during which total British Columbia salmon harvests fluctuated between approximately 40,000 and 110,000 mt each year. Although rates of harvest that were sustained for this long period are purely speculative, we believe it conceivable that through the 1950s the thousands of fishing vessels fishing five to seven days per week could have consistently harvested 40% and perhaps as high as 60% from most stocks. Since then harvest levels probably exceeded 50% in most years and 80% for some species and stocks in some areas. The question is, what is the biological basis for such a long period of high harvests and sustained production?

In this regard we believe a line of research, suggested some years ago by a colleague (John Sibert, University of Hawaii, pers. comm.) has merit. Given that Pacific salmon and humans colonized the Pacific coast soon after the retreat of glaciers some 10,000 or more years ago, salmon and Aboriginals could be said to have co-evolved on this coast – humans as major predators on adult salmon and adult salmon as providers of food and nutrients for humans and the ecosystem that humans depended on (Cederholm *et al.* 1999; Schmidt *et al.* 1998). With a population of Aboriginal peoples in British Columbia numbering at least 100,000 (Duff 1964), and perhaps much more (Richard Inglis, Royal British Columbia Museum, pers. comm.), it is not inconceivable that pre-contact Aboriginal harvests rivalled those of the post-1910 commercial fishery, as Glavin (2000) speculated for Fraser River stocks. Thus we postulate that built into the genes of salmon is the ability for these species, and the ecosystem to which they are a key part, to withstand substantial human exploitation without significant loss of biodiversity or production.

Conversely, the long period of sustained but variable production could simply reflect that fluctuating ocean conditions, not freshwater escapements largely determine salmon productive capacity. We hope that the data we have assembled here can be used to shed light on these and other hypotheses concerning Pacific salmon dynamics.

4.4. Concluding Remarks

Our research and analyses resulted in preparation of British Columbia commercial salmon harvests for 1828 through 1950 for ten areas (Summary Tables 44 – 53). This is the first coastwide set of area-based statistics that we are aware of for the pre-1951 salmon fishery in the province. We are confident that the landed weights in these tables are as complete and reliable as possible for each salmon species in ten broad coastal and riverine areas along the British Columbia coast. This conclusion is supported by our examination of levels of harvests in each area for ten years before and after the sales slip system was introduced. The annual total landed weights of all salmon species in Table 54 are consistent with published provincial GLW in the DMF and DBS Annual Reports. Small differences between our totals and those in the government publications are due to rounding errors and minor adjustments for transfers. In short, we believe our records of the weight of each salmon species caught in each area are appropriate data for most scientific uses.

Kasahara (1963) compiled total provincial catches in numbers for each salmon species from the DMF Annual Reports for 1920 to 1948. Our numbers of salmon were based on GLW divided by average weight. Our use of 1951-1954 average weights likely introduced a small degree of systematic bias in our numbers data. The bias may be towards overestimating chinook and coho catches for early years and underestimating pink and possibly sockeye catches, at least in certain areas in most years (e.g. District I – Fraser River sockeye). We encountered data series in the historical records from which more appropriate fish weights (average or annual) may be able to be constructed on an area by area basis. This is beyond the scope of our report but should not be viewed as an insurmountable task by those who wish to develop their own catch-in-numbers data. We note, however, that there was close correspondence between our annual sockeye, pink and chum numbers and those in Kasahara. This was not the case for coho, chinook and steelhead. For these species our numbers generally were higher because we included GLW that would appear to have been underrepresented in the published data that Kasahara compiled.

Our failure to find comprehensive records of salmon catch-in-numbers in the Department of Marine and Fisheries archival and historical records was disappointing. It meant that, unlike for GLW, we had no way to reconstruct and verify the numbers data compiled by Kasahara. Because, at times, federal taxes were levied on quantities of fish harvested, we attempted to find Revenue Canada files providing details of numbers of fish caught, unfortunately with no success. In the end this left us with the close correspondence between Kasahara's sockeye, pink and chum numbers and ours, and the clear evidence that Kasahara's coho and chinook numbers were in error, from which to conclude that our data likely are the most comprehensive estimates of numbers caught that will be produced from the historical records in the foreseeable future.

Whereas we feel that further, wide archival searches would be largely unproductive, there are a number of lines of investigation that could be followed using data we uncovered but did not analyse exhaustively. For example, we found annual harvest records for northern British Columbia that were more detailed by area than those for southern parts of the Province. As outlined at the beginning of the report, we aggregated harvest data for ten rather large areas because we wanted a consistent set of geographical areas that we could report on for the whole history of the fishery. The finer northern data cover 1930 to 1950 landings by species, adjusted for transfers, for geographic divisions that are consistent with each of today's statistical areas in northern B.C. These data may prove useful for those investigators needing more detailed northern landings.

In a similar vein, our search of archival and historical records revealed much information that, because the information was not found over sufficient periods or in sufficient detail, or was not collected in a consistent manner between areas, it was not of use in developing our estimates of annual harvests. Such fragmentary data included forms which recorded the numbers of each salmon species caught by seines in certain areas, forms submitted annually by troll vessel license holders showing numbers caught, tables of daily trap catches, statements showing monthly quantities of salmon purchased by cold storage facilities, weekly purchases of troll caught salmon, and the numbers of each species that it took to make a case of canned salmon. There were also tables showing numbers of each species caught by drag and purse seines for some areas. Such data could be useful for studies of fisheries in particular areas or studies of more fundamental biological nature. As well, weekly or daily data scattered in the files for fisheries in places like Rivers Inlet and Sooke in Juan de Fuca Strait might prove useful for examining run timing.

Finally, as a historical footnote, it might be interesting to gain more information on the commercial fisheries and trade activities of the Hudson's Bay Company operations at posts other than Fort Langley, for example on the United States San Juan Islands. The waters surrounding these islands teem with salmon during the fall spawning migrations and there are a number of sites where Aboriginals and early settlers could fish close to shore for salmon.

5. ACKNOWLEDGEMENTS

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6. LITERATURE CITED

Anderson, A.C. 1877. Government of Canada. Annual Report of the Department of Marine and Fisheries for 1876.

Anderson, A.D. 1975. The 1974 return of chum salmon stocks to the Johnstone Strait - Fraser River study area, and prospects for 1975. Dept. Env., Fish. Mar. Serv. Tech. Rep. PAC/T-75-14.

Anderson, A.D. 1976. The 1975 return of pink salmon stocks to the Johnstone Strait study area and prospects for 1975. Dept. Env., Fish. Mar. Serv. Tech. Rep. PAC/T-75-5.

Anderson, A.D. 1977. The 1975 return of pink salmon stocks to the Johnstone Strait study area and prospects for 1977. Dept. Env., Fish. Mar. Serv.Tech. Rep. PAC/T-77-11:13 p.

Anonymous. 1868-1913. Government of Canada, Annual Reports of the Department of Marine and Fisheries.

Anonymous. 1902-1930. Government of the Province of British Columbia, Annual Reports of the Commissioner of Fisheries of British Columbia.

Anonymous. 1902-1950. Yearbooks of the Pacific Fisherman.

Anonymous. 1914-1918. Government of Canada, Annual Reports of the Department of Naval Service, Fisheries Branch.

Anonymous. 1917-1950. Government of Canada, Dominion Bureau of Statistics, Annual Reports of the Fisheries Statistics of Canada.

Anonymous. 1919-1929. Government of Canada, Annual Reports of the Department of Marine and Fisheries, Fisheries Branch.

Anonymous. 1930-1950. Government of Canada, Annual Reports of the Department of Fisheries.

Anonymous. 1940-1983. Annual Reports of the International Pacific Salmon Fisheries Commission.

Anonymous. 1951-1996. British Columbia catch statistics: by species, gear, month and area. Can. Dept. Fish. Oceans.

Anonymous. 1958. The commercial salmon fisheries of British Columbia. Statistical Basebook Series, No. 3. Can. Dept. Fish.

Anonymous. 1963. Total catch statistics for areas supplied by District Supervisors in 1947 and 1951 from special reports by Inspectors. Can. Dept. Fish., Pac. Biol. Stn. MS.

Anonymous. 1988. Pacific Region salmon stock management plan, Volume I. Inner south coast and Fraser River. Can. Dept. Fish. Oceans.

Anonymous. 1989. Proceedings of the north Pacific driftnet conference. Volume 1. BC Min. Agric. Fish. Victoria, BC, Canada

Anonymous. 2002. British Columbia's fisheries and aquaculture sector. B.C. Min. Mgmt. Serv.

Argue, A.W. 1970. A study of factors affecting exploitation of Pacific salmon in the Canadian gantlet fishery of Juan de Fuca Strait. Can. Dept. Fish. For. Tech. Rep. 1970-11.

Argue, A.W., and Shepard, M.P. 1984MS. Historical trends in British Columbia salmon catch and production: commercial catch 1873-1982. Rep. prep. under Dept. Supp. Serv. Contract No. 03SB.FP576-3-3626. Can. Dept. Fish. Oceans.

Argue, A.W., Campbell, D., Gee, P.A., and Shepard, M.P. 1990. Department of Fisheries and Oceans records of annual salmon harvest by British Columbia Indians prior to 1951. Can. Data Rep. Fish. Aquat. Sci. 782.

Argue, A.W., Hilborn, R., Peterman, R.M., Staley, M.J., and Walters, C.J. 1983. Strait of Georgia chinook and coho fishery. Can. Bull. Fish. Aquat. Sci. 211.

Argue, A.W., Shepard, C.D., Shepard, M.P., and Argue, J.S. 1986MS. A compilation of historic catches by the British Columbia catch commercial salmon fishery 1876-1985. Rep. prep. under Dept. Supp. Serv. Contract No. 03SB.FP501-5-5478. Can. Dept. Fish. Oceans.

Argue, A.W., Shepard, M.P., Shardlow, T.F., and Anderson, A.D. 1987. Review of salmon troll fisheries in southern British Columbia. Can. Tech. Rep. Fish. Aquat. Sci. 1502.

Beacham, T.D. 1984a. Catch, escapement, and exploitation of chum salmon in British Columbia, 1951-1981. Can. Tech. Rep. Fish. Aquat. Sci. 1270.

Beacham, T.D. 1984b. Catch, escapement, and exploitation of pink salmon in British Columbia, 1951-1981. Can. Tech. Rep. Fish. Aquat. Sci. 1276.

Beamish, R.J., and Bouillon, D.R. 1993. Pacific salmon production trends in relation to climate. Can. J. Fish. Aquat. Sci. 50: 1002-1016.

Beamish, R.J., and Bouillon, D.R. 1995. Marine fish production trends off the Pacific coast of Canada and the United States. *In* Climate change and northern fish populations, R.J. Beamish (ed.). Can. Spec. Publ. Fish. Aquat. Sci. 121: 585-591.

Beamish, R.J., Noakes, D.J., McFarlane, G.A., Klyashtorin, L., Ivanov,V.V., and Kurashov, V. 1999. The regime concept and natural trends in the production of Pacific salmon. Can. J. Fish. Aquat. Sci. 56: 516-526.

Bigler, B., Welch, D.W., and Helle, J.H. 1996. A review of size trends among north Pacific salmon (*Oncorhynchus* spp.). Can. J. Fish. Aquat. Sci. 53: 455-465.

Burton, G.L. 1949. Fishery statistics of the Pacific coast of Canada. Rep. Prep. for Dominion Dept. Fish. and Dominion Bur. Stat.

Cass, A., Folkes, M., and Pestal, G. 2003. Methods for assessing harvest rules for Fraser River sockeye salmon. PSARC Working Paper S2003-14.

Cederholm, C.J., Kunze, M.D., Murota, T., and Sibatani, A. 1999. Pacific salmon carcasses: essential contributions of nutrients and energy for aquatic and terrestrial ecosystems. Fisheries Vol. 24: 6-15.

Chettleburgh, P. 1979. Overabundance was an embarrassment. 50th Anniversary Issue, Western Fisheries 81-88.

Cobb, J.N. 1921. Pacific salmon fisheries: Appendix 1 to the Report of the U.S. Commissioner of Fisheries for 1921. Bureau of Fisheries Document No. 902, Third Edition. Wash. Gov. Printing Office.

Cobb, J.N. 1930. Pacific salmon fisheries. U.S. Comm. Fish. Ann. Rep. For 1930, App. 13: 409-474.

Cullen, M.K. 1979. The history of Fort Langley, 1827-96. Parks Can., Hist. Sites. Occ. Pap. Archeol. Hist. 20: 5-122.

Duff, W. 1964. The Indian history of British Columbia. B.C. Prov. Mus. Anthrop. Mem. 5.

Forester, J.E., and Forester, A.D. 1975. Fishing: British Columbia's Commercial Fishing History. Hancock House Publishers Ltd., Saanichton, B.C.

Fraser, F.J., Starr, P.J., and Federenko, A.Y. 1982. A review of the chinook and coho salmon of the Fraser River. Can. Tech. Rep. Fish. Aquat. Sci. 1126.

Gibson, J.R. 1992. Otter skins, Boston ships and China Gods. The maritime fur trade of the Northwest Coast. McGill – Queens Univ. Press, Montreal, Quebec.

Gilhousen, P. 1992. Estimation of Fraser River sockeye escapements from commercial harvest data, 1892-1944. Int. Pac. Salmon Fish. Comm. Bull. XXVII.

G.S.Gislason & Associates Ltd. 2004. British Columbia seafood sector and tidal water recreational fishing: a strengths, weaknesses, opportunities and threats assessment. G.S. Gislason & Associates Ltd., Vancouver, B.C.

Glavin, T. 2000. The Last Great Sea. Greystone Books, Vancouver B.C.

Hare, S.R., and Francis, R.C. 1995. Climate change and salmon production in the northeast Pacific Ocean. *In* Climate change and northern fish populations, R.J. Beamish (ed.). Can. Spec. Publ. Fish. Aquat. Sci. 121: 357-372.

Hare, S.R., Mantua, N.J., and Francis, R.C. 1999. Inverse production regimes: Alaska and west coast Pacific salmon. Fisheries 24: 6-14.

Healey, M.C. 1982. Catch, escapement and stock-recruitment for British Columbia chinook salmon since 1951. Can. Tech. Rep. Fish. Aquat. Sci. 1107.

Henderson, M.A., and Charles, A.T. 1984. Reconstruction of British Columbia pink salmon stocks *(Oncorhynchus gorbuscha)*: 1970-1982. Part I: Queen Charlotte Islands, north coast and central coast. Can. Man Rep. Fish. Aquat. Sci. 1785.

Hewes, G.W. 1973. Indian fisheries productivity in pre-contact times in the Pacific salmon area. Northwest. Anthrop. Res. Notes Vol. 7: 133-155.

Hoar, W.S. 1951. The chum and pink salmon fisheries of British Columbia 1917-1947. Bull. Fish. Res. Bd. Can. 90.

Howay, F.W. 1914. British Columbia from earliest times to the present. Vol. 2. S.J. Clarke Publ. Co., Vancouver, B.C.

INPFC. 1962. The exploitation, scientific investigation and management of salmon (genus *Oncorhynchus*) stocks on the Pacific coast of Canada in relation to the abstention provisions of the North Pacific Fisheries Convention. Bull. Int. N. Fish. Comm. 9.

IPHC. 1988. Annual Report 1988, Celebrating the Pacific halibut fishery centennial 1888-1988. Int. Pac. Halibut Comm.

Kasahara, H. 1963. Catch statistics for north Pacific salmon. Bull. Int. N. Pac. Fish. Comm. 12: 7-82.

Killick, S.R., and Clemens, W.A.. 1963. The age, sex ratio and size of Fraser River sockeye salmon 1915 to 1960. Int. Pac. Salmon Fish. Comm. Bull. XIV.

Lyons, C. 1969. Salmon: Our Heritage. Mitchell Press Ltd., Vancouver, B.C.

Marshall, R.P., and Quinn, T.J. II. 1988. Estimation of the average weight and biomass of pink, chum, sockeye and coho salmon in Southeast Alaska commercial harvests. Ak. Dept. Fish Game. Fish. Res. Bull. 88-07.

McKervill, H.W. 1967. The Salmon People: The Story of Canada's West Coast Salmon Fishing Industry. Gray's Publishing Ltd. Sydney, B.C.

Milne, D.J. 1955. The Skeena River salmon fishery, with special reference to sockeye salmon. J. Fish. Res. Bd. 12: 451-485.

Milne, D.J. 1964. The chinook and coho salmon fisheries of British Columbia. Bull. Fish. Res. Bd. Can.. 142.

Mueter, F.J., Peterman, R.M, and Pyper, B.J. 2002. Opposite effects of ocean temperature on survival rates of 120 stocks of Pacific salmon (*Oncorhynchus spp.*) in northern and southern areas. Can. J. Fish. Aquat. Sci. 59: 456-463.

Mysak, L.A. 1986. El Niño, interannual variability and fisheries in the northeast Pacific Ocean. Can. J. Fish. Aquat. Sci. 43: 464-497.

Nickelson, T.E. 1986. Influence of upwelling, ocean temperature, and smolt abundance on marine survival of coho salmon *(Oncorhynchus kisutch)* in the Oregon production area. Can. J. Fish. Aquat. Sci. 43: 527-535.

Pacific Salmon Commission. 1994. Joint Chinook Technical Committee Annual Report. Rep. TCCHINOOK (94)-1.

Palmer, R.N. 1972. Fraser River chum salmon. Dept. Env., Fish. Mar. Serv. Tech. Rep. 1972-1.

Pearse, P.H. 1982. Turning the tide: a new policy for Canada's Pacific coast fisheries. Comm. Pac. Fish. Policy, Final Report.

Pitre, K.R. 1970. Summary of "shaker" investigations in the west coast of Vancouver Island troll fishery. Can. Dept. Fish. For.. Tech. Rep. 1970-1.

Ricker, W.E. 1950. Cycle dominance among the Fraser sockeye. Ecology 31: 6-26.

Ricker, W.E. 1954. Stock and recruitment. J. Fish. Res. Bd. Can. 11: 559-623.

Ricker, W.E. 1981. Changes in the average size and average age of Pacific salmon. Can. J. Fish. Aquat. Sci. 38: 1636-1656.

Ricker, W.E. 1987. Effects of the fishery and of obstacles to migration on the abundance of Fraser River sockeye salmon *(Oncorhynchus nerka).* Can. Tech. Rep. Fish. Aquat. Sci. 1522.

Ricker, W.E. 1995. Trends in the average size of Pacific salmon in Canadian catches. *In* Climate change and northern fish populations, R.J. Beamish (ed.). Can. Spec. Publ. Fish. Aquat. Sci. 121: 593-602

Roberts, M.E.L. 1970. The status of chum salmon stocks of the west coast of Vancouver Island, 1934-1968 statistical areas 22-27. Fish. Serv., Can. Dept. Fish. For.. Tech. Rep. 1970-3.

Roos, J.F. 1991. Restoring Fraser River salmon. A history of the International Pacific Salmon Fisheries Commission. Pacific Salmon Commission, Vancouver Canada.

Rounsefell, G.A., and Kelez, G.B. 1938. The salmon and salmon fisheries of Swifture Bank, Puget Sound, and the Fraser River. Bull. U.S. Bur. Fish. 48: 693-823.

Schmidt, D.C., Carlson, S.R., Kyle, G.B., and Finney, B.P. 1998. Influence of carcass-derived nutrients on sockeye salmon productivity of Karluk Lake, Alaska: importance in assessment of the escapement goal. N. Amer. J. Fish. Mgmt. Vol. 18(4).

Shepard, M.P., and A.W. Argue. 1989. The commercial harvest of salmon in British Columbia, 1820-1877. Can. Tech. Rep. Fish. Aquat. Sci. 1690.

Shepard, M.P., and Withler, F.C. 1958. Spawning stock size and resultant production for Skeena sockeye. J. Fish. Res. Bd. Can. 15: 1007-1025.

Shepard, M.P., Shepard, C.D., and Argue, A.W. 1985. Long-term trends in the contributions of salmon from different geographic areas in the commercial fisheries of the north Pacific. Can. Tech. Rep. Fish. Aquat. Sci. 1376.

Shepard, M.P., Shepard, C.D., and Argue, A.W. 1985a. Historic statistics of salmon production around the Pacific rim. Can. Man. Rep. Fish. Aquat. Sci. 1819.

Spoehr, A. 1986. Fur traders in Hawai'i: The Hudson's Bay Company in Hawaii. Hawaiian Jour. Hist. 20.

Stacey, D. 1981. Gulf of Georgia cannery, Steveston, British Columbia, 1894-1930. Parks Can. Microfiche Rep. Ser. 129.

Starr, P.J., Charles, A.T., and Henderson, M.A. 1984. Reconstruction of British Columbia sockeye salmon *(Oncorhynchus nerka)* stocks: 1970-1982. Can.Man. Rep. Fish. Aquat. Sci.. 1780.

Stohr, A.J.M. and Fraidenburg, M.E. 1986. A delphi assessment of chinook and coho salmon hooking mortality. Wash. Dept. Fish. Tech. Rep. 94.

Walters, C, and J.C. Woodey. 1992. Genetic models for cyclic dominance in sockeye salmon *(Oncorhynchus nerka).* Can. J. Fish. Aquat. Sci. 49: 281-292.

Walters, C.J., and Staley, M.J. 1987. Evidence against the existence of cyclic dominance in Fraser River sockeye salmon. *In* Sockeye salmon: population biology and future management, H.D. Smith, L. Margolis, and C.C. Wood (eds.). Can. Spec. Publ. Fish. Aquat. Sci. 96: 375-384.

Ward, F.J., and P.A. Larkin. 1964. Cyclic dominance in Adams River sockeye salmon. Int. Pac. Salmon Fish. Comm.. Prog. Rep. 11.

Welch, D.W. 1994MS. Evidence for density-dependent marine growth in British Columbia pink salmon populations. Pac. Bio. Stn., Can. Dept. Fish. Oceans.

Welch, D.W. 2002MS. Variation in marine growth rates of British Columbia pink and sockeye salmon stocks. Pac. Bio. Stn., Can. Dept. Fish. Oceans.

Woodcock, G. 1990. British Columbia. A history of the Province. Douglas and McIntyre, Vancouver, B.C.

Wong, F.Y.C. 1983. Historical salmon commercial catch data system of the Fisheries Research Branch, Department of Fisheries and Oceans, Pacific Region. Can. Tech. Rep. Fish. Aquat. Sci. 1156.

Wright, S. 1972. Estimated numbers of salmon hooked and released by Washington's commercial troll and ocean sport fisheries in 1070-1971. Pac. Mar. Fish. Comm.. Bull. 8: 15-22.

Young, S.L. and B.A. Campbell. 1956. Statistics on salmon sport fishing in the tidal waters of British Columbia 1953 –1 1955. Pac. Area, Can. Dept. Fish.

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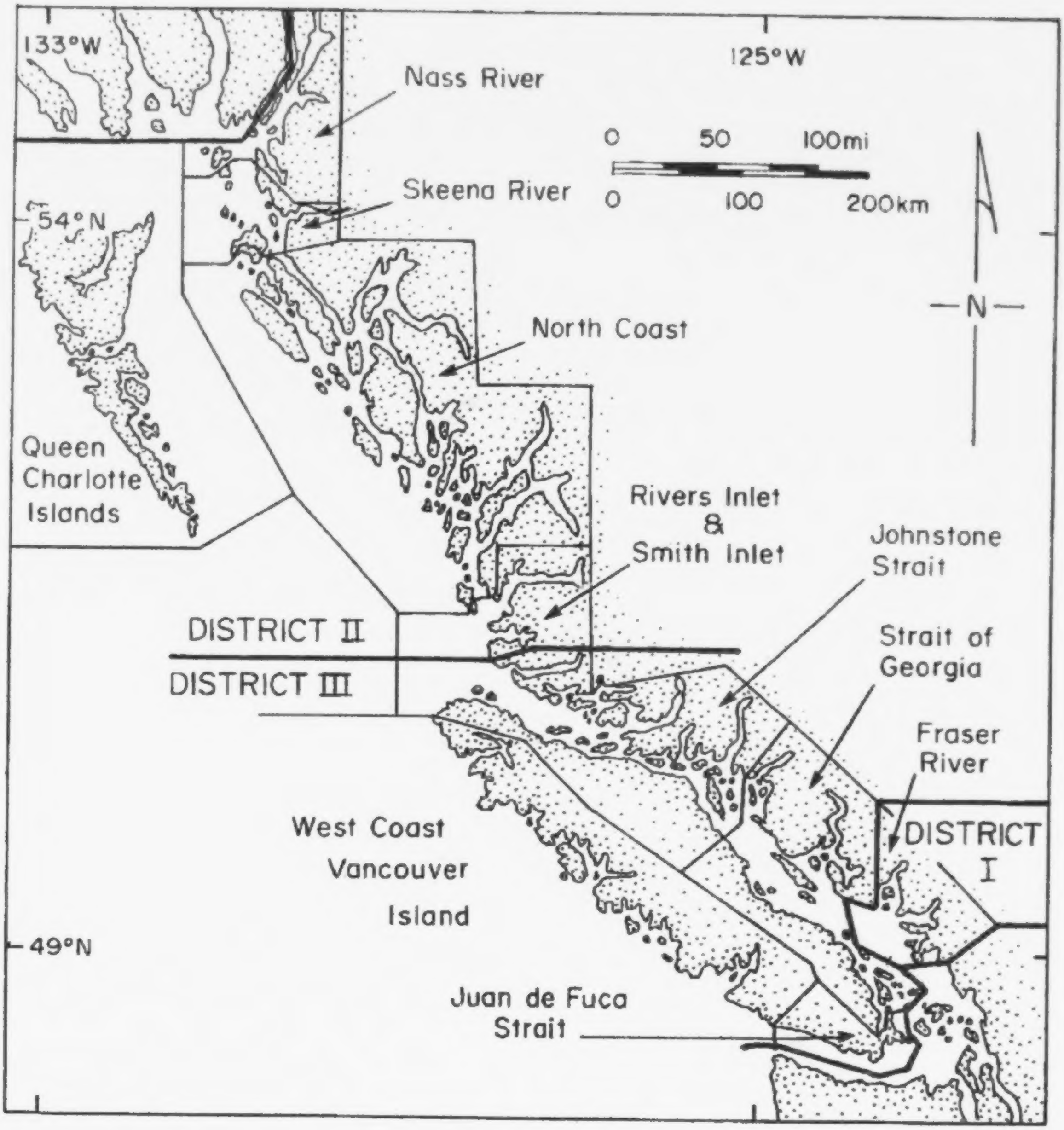


Figure 1. Map showing areas used to present British Columbia salmon catch statistics in this report and seaward boundaries of Districts I, II and III.

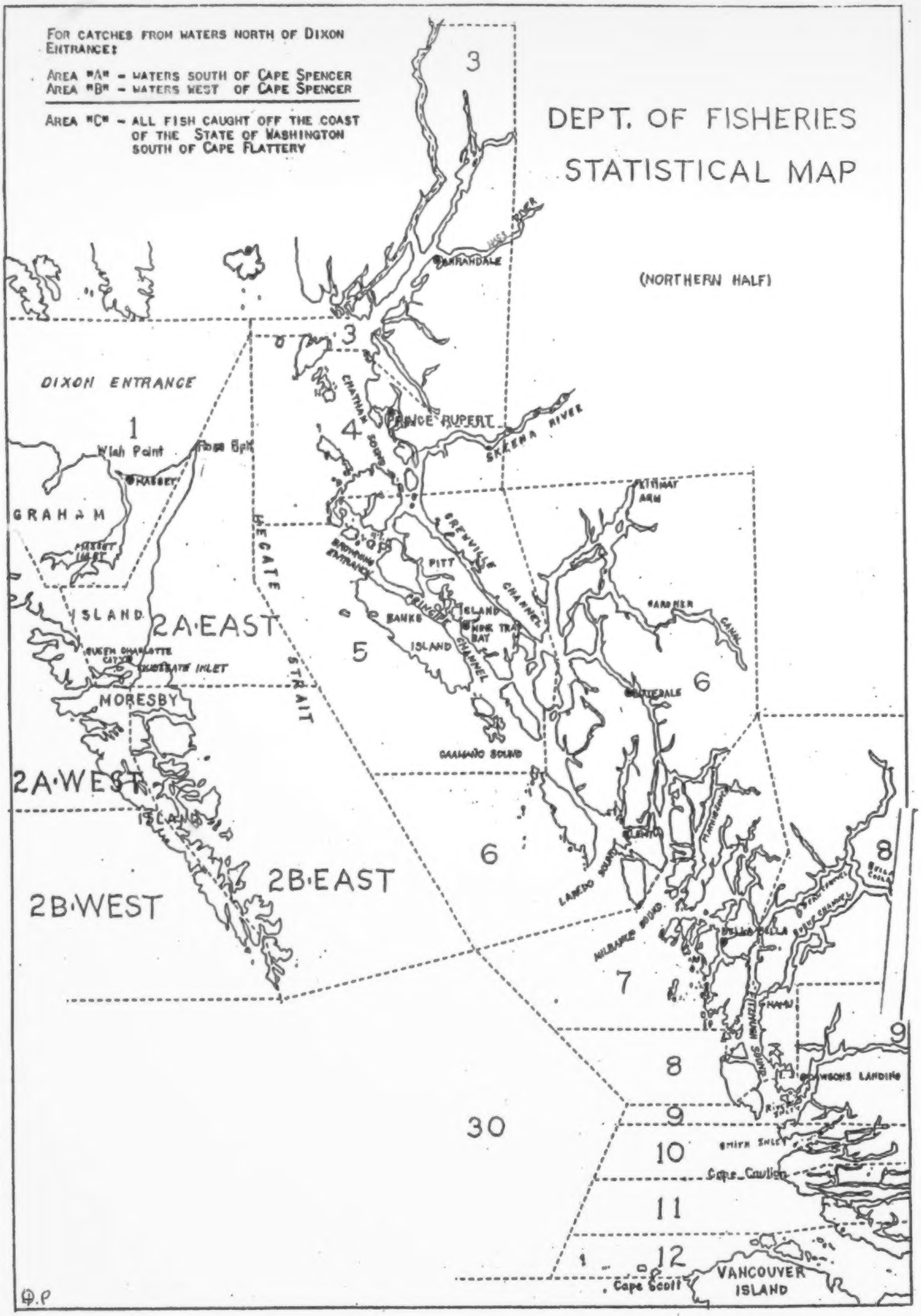


Figure 2. Department of Fisheries statistical area boundaries in 1951 (Anonymous 1951-1996).

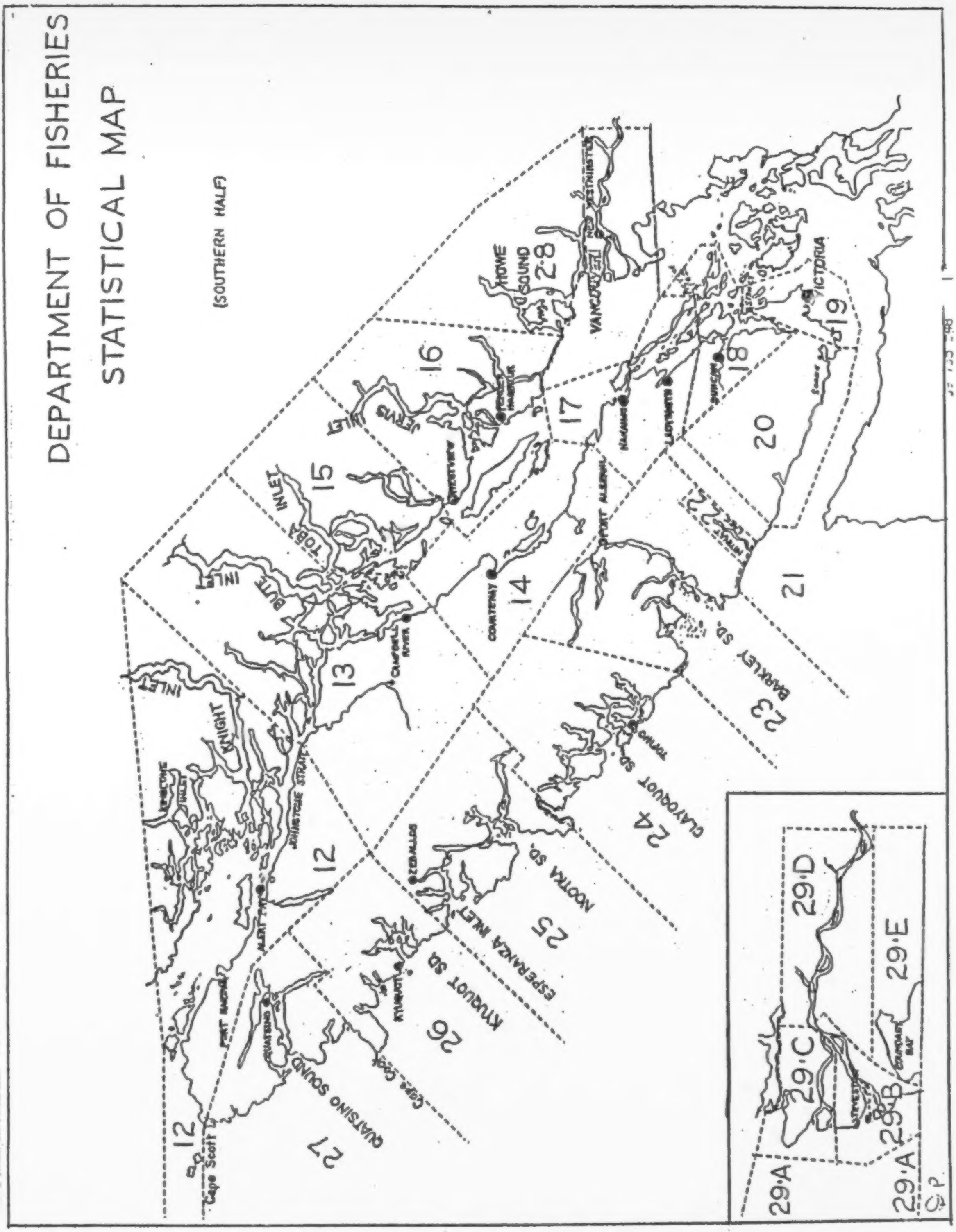
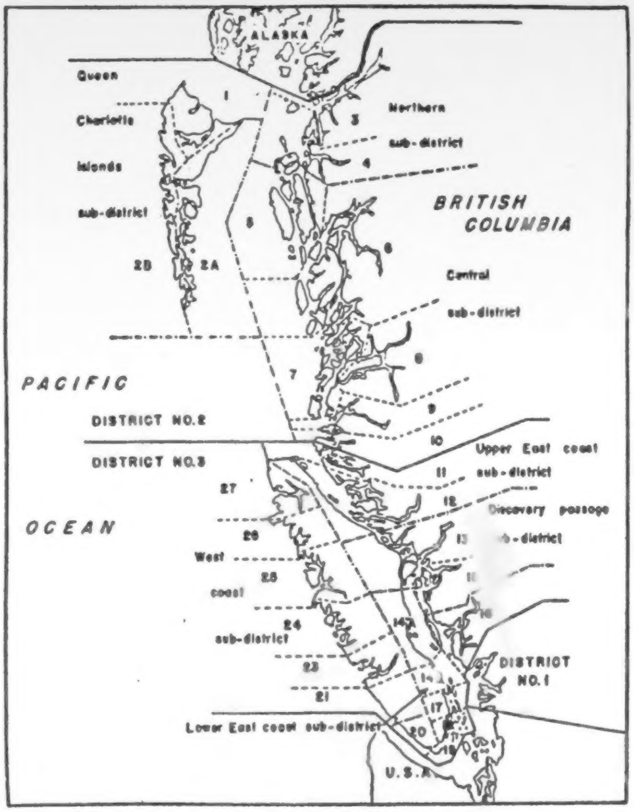


Figure 2. Continued.



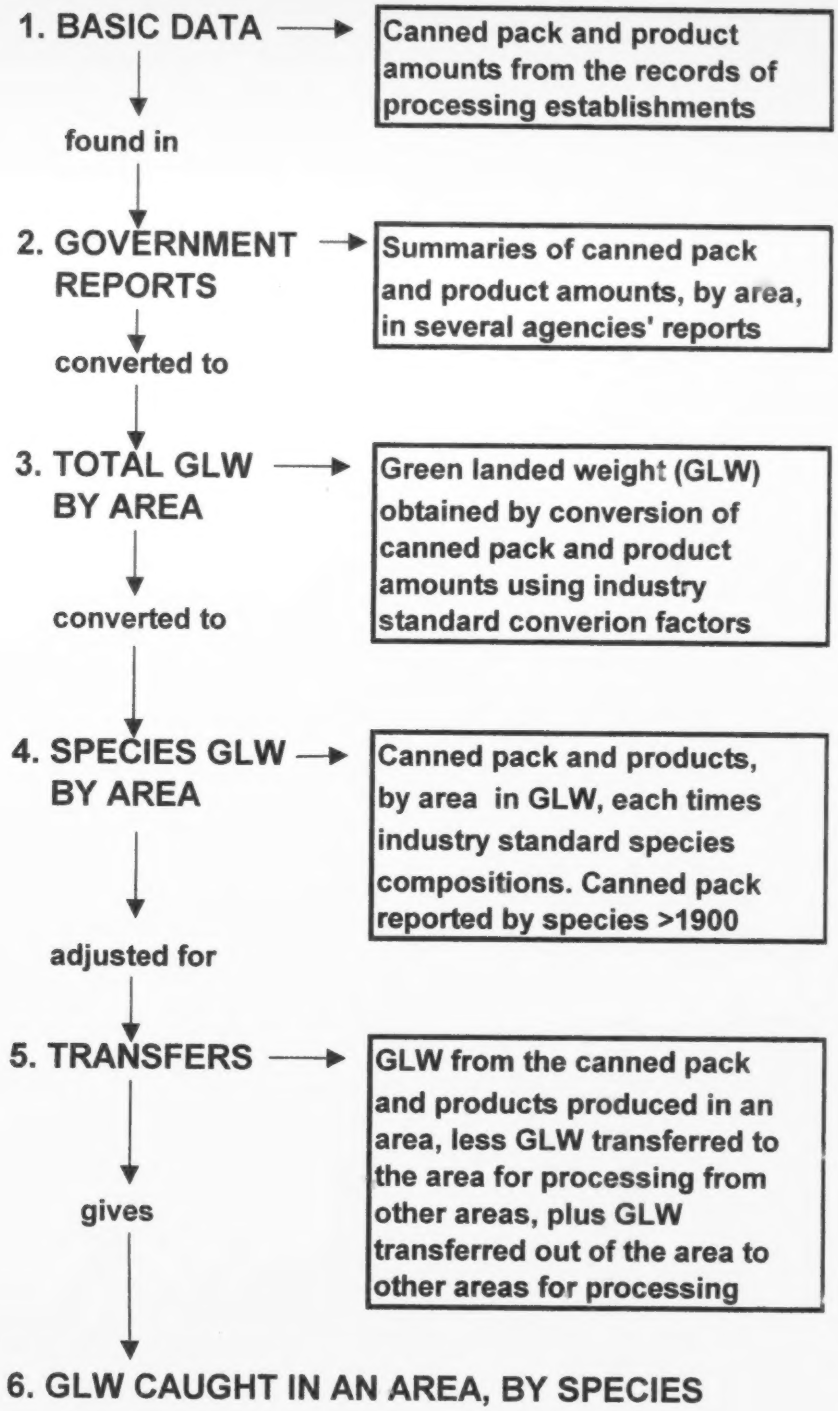
Quota Sub-districts	Areas
Northern	3, 4
Central	6 (in part), 7 (in part)
Upper East Coast	12 (in part)
Quathiaski	13 (in part)
Lower East Coast	14A, 14B, 16, 17, 18, 19, 20
West Coast	23, 24, 25, 26, 27
Quatsino	27

Area No.	Common Fishing Grounds
1	North Coast Queen Charlotte Islands
2A	East Coast Queen Charlotte Islands Lagoon Inlet Sewell Inlet Selwyn Inlet Dana Inlet Richardson Inlet Atli Inlet Bigsby Inlet Darwin Sound Skaat Harbour Burnaby Strait Huston Inlet etc.
2B	West Coast Queen Charlotte Islands Inskip Channel Moore Channel Louscoone Inlet etc.
3	Portland Inlet Wales Passage Union Bay Khutzemateen Inlet Wark Channel etc.
4	Pearl Harbour Tuck Inlet Prince Rupert Harbour Butler Cove Jap Inlet etc.
5	Kitkatlah Inlet Hevenor Inlet Principe Channel Union Passage etc.
6	Surf Inlet Helmcken Inlet Kent Inlet Laredo Inlet Aaltanhash Inlet Thistle Passage Meyers Passage Klemtu Passage etc.
7	Bella Bella Lama Passage Gunboat Passage Kwakshua Passage Safety Cove Fish Egg Inlet etc.

Area No.	Common Fishing Grounds
8	Cousins Inlet Bella Coola Kwatna Inlet etc.
9	Rivers Inlet Drainey Inlet Moses Inlet etc.
10	Smith Inlet Takush Harbour etc.
11	Nugent Sound Seymour Inlet etc.
12	Grappler Sound Belleisle Sound Kingcome Inlet Clio Channel Bones Bay Serpentine Pass Knight Inlet (Head) etc.
13	Granite Bay Okisollo Channel Deepwater Bay etc.
15	Teakerne Arm Okeover Arm etc.
14A	Deep Bay Baynes Sound etc.
14B	Nanoose Bay Entrance Island Northumberland Channel etc.
16	Jervis Inlet Sechelt Inlet etc.
17	Dodd Narrows Gabriola Pass Porlier Pass Stuart Channel Pylades Channel Trincomali Channel Walker Rock etc.

Area No.	Common Fishing Grounds
18	Swanson Channel Satellite Channel etc.
19	Victoria Area etc.
20	Sooke etc.
23	Barkley Sound Trevor Channel Junction Passage Banfield Inlet Rainy Bay Imperial Eagle (Middle) Channel Uchucklesit Harbour Sechart Channel Effingham Inlet etc.
24	Clayoquot Sound Refuge Cove Shelter Arm Sydney Inlet Hesquiat Harbour etc.
25	Nootka Sound Kings Pass Herring Bay Ewin Creek Tahsis Inlet Esperanza Inlet Nuchatlitz Inlet Queens Cove etc.
26	Kyuquot Sound Amai (Deep) Inlet Nicolaye Channel Crowther Channel Malksope Inlet Ououkinsh Inlet Nasparti Inlet etc.
27	Quatsino Sound Klaskish Inlet Klaskino Inlet Neroutsos Inlet Drake Island Quatsino Narrows Forward Inlet etc.

Figure 3. Map of British Columbia statistical areas in use prior to 1951 from Burton (1949).



Canned pack and product amounts from the records of processing establishments

Summaries of canned pack and product amounts, by area, in several agencies' reports

Green landed weight (GLW) obtained by conversion of canned pack and product amounts using industry standard converion factors

Canned pack and products, by area in GLW, each times industry standard species compositions. Canned pack reported by species >1900

GLW from the canned pack and products produced in an area, less GLW transferred to the area for processing from other areas, plus GLW transferred out of the area to other areas for processing

Figure 4. General approach to estimation of the landed weight of the pre-1951 commercial catches, by area, for salmon in British Columbia.

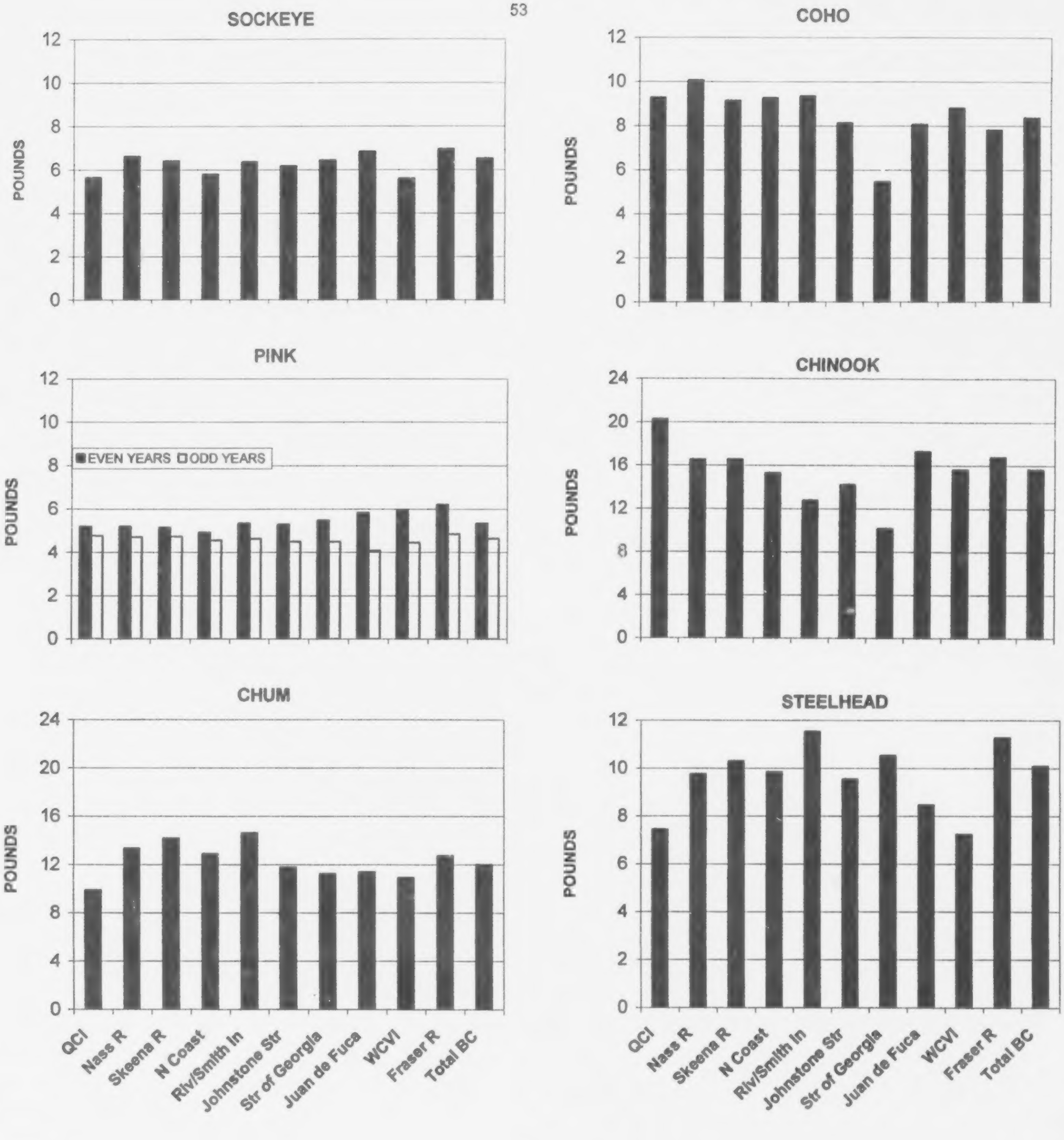


Figure 5. Average round weight of salmon caught in the British Columbia commercial fishery, for each of the ten areas used in this report, 1951-1954.

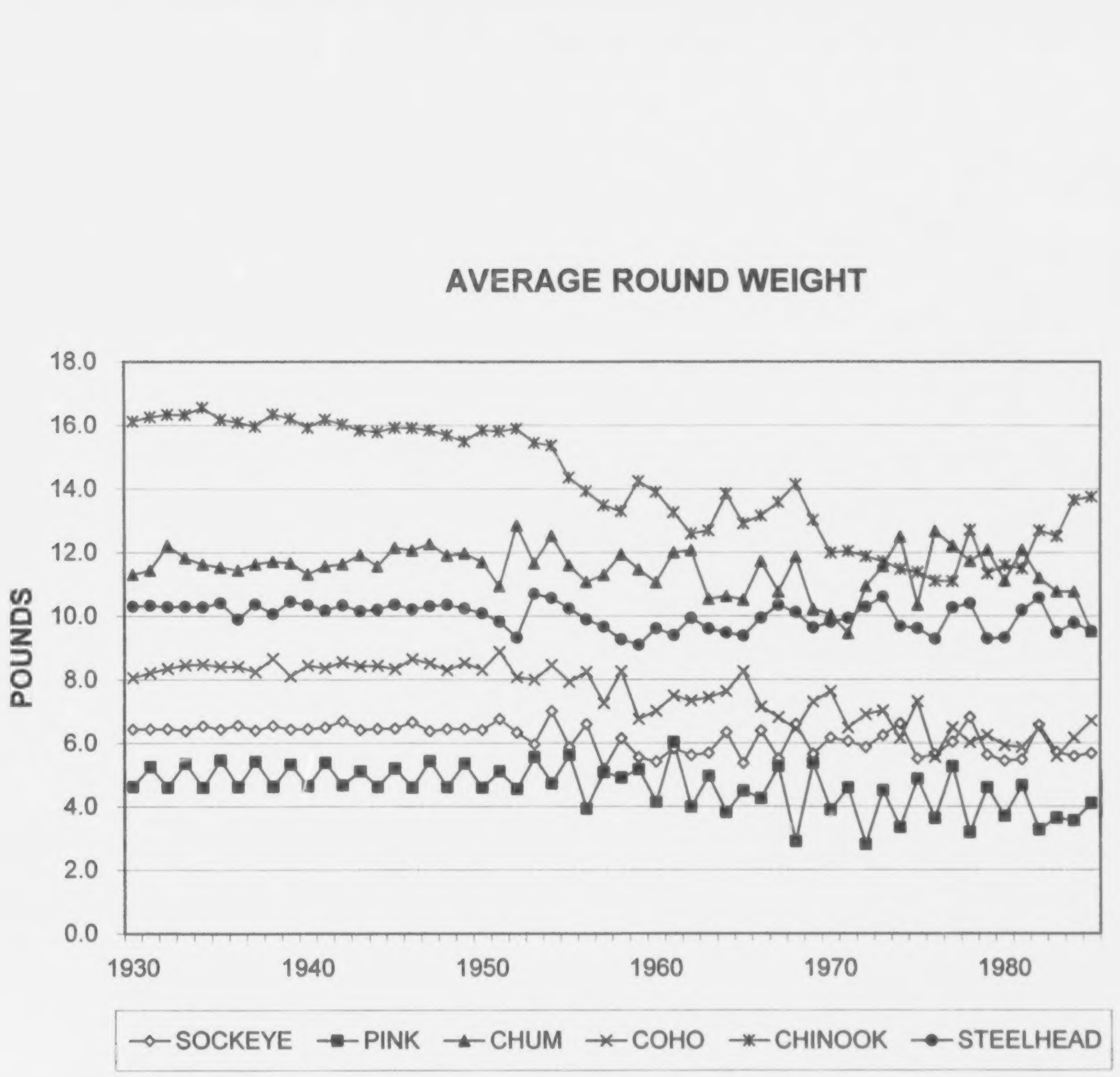


Figure 6. Average round weight (pounds) of salmon species in the British Columbia commercial catch. Average weights prior to 1951 were based on the 1951-1954 average weights for the ten areas in this report, weighted by the annual catch in each area to obtain a province-wide average weight for each species prior to 1951.

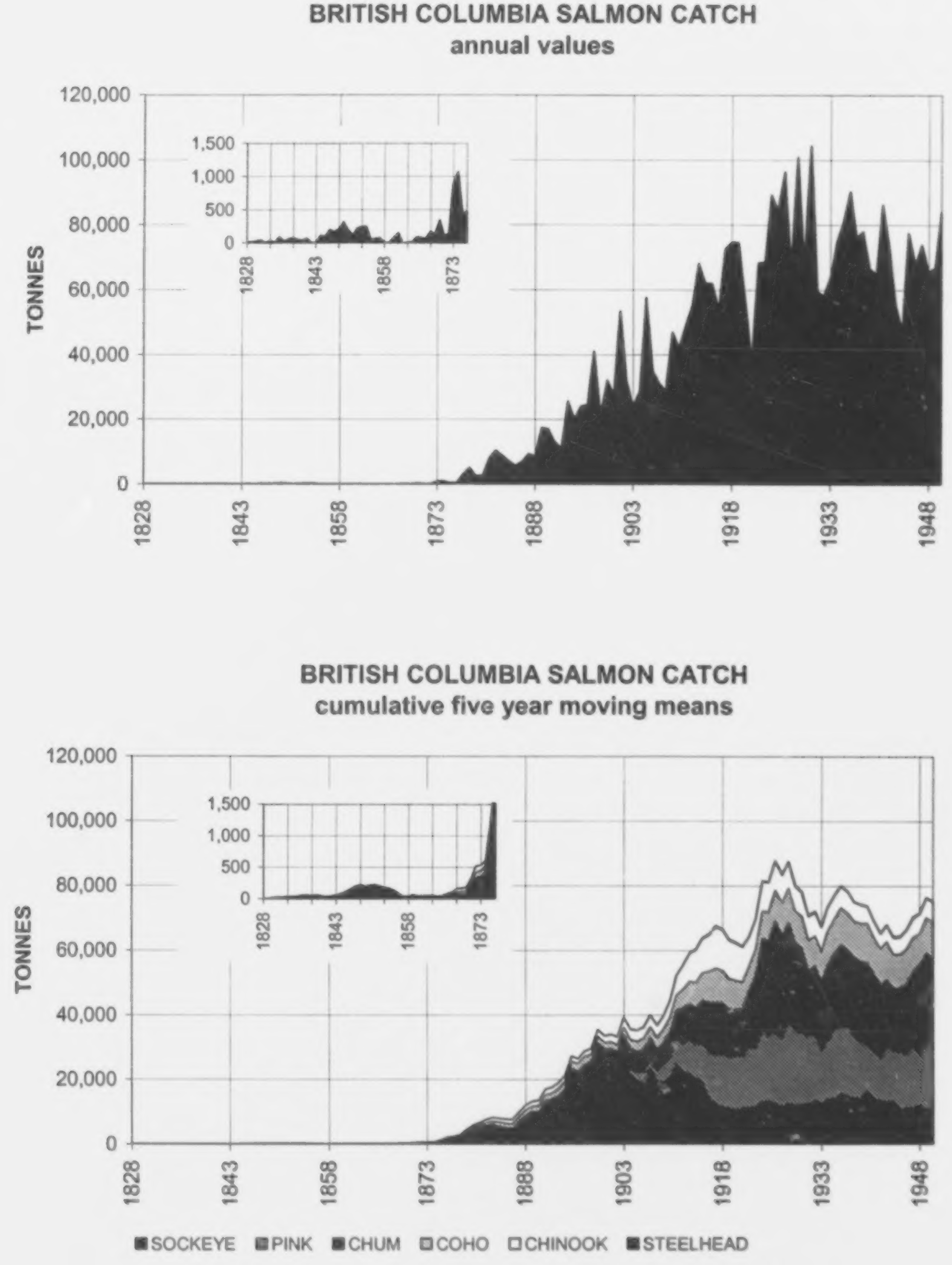


Figure 7. Annual total British Columbia catch of salmon in tonnes, 1828 to 1950 in the top graph, and cumulated by species and presented as five year moving averages, centred on the third year in the lower graph (steelhead indistinguishable). Insert graphs show early years.

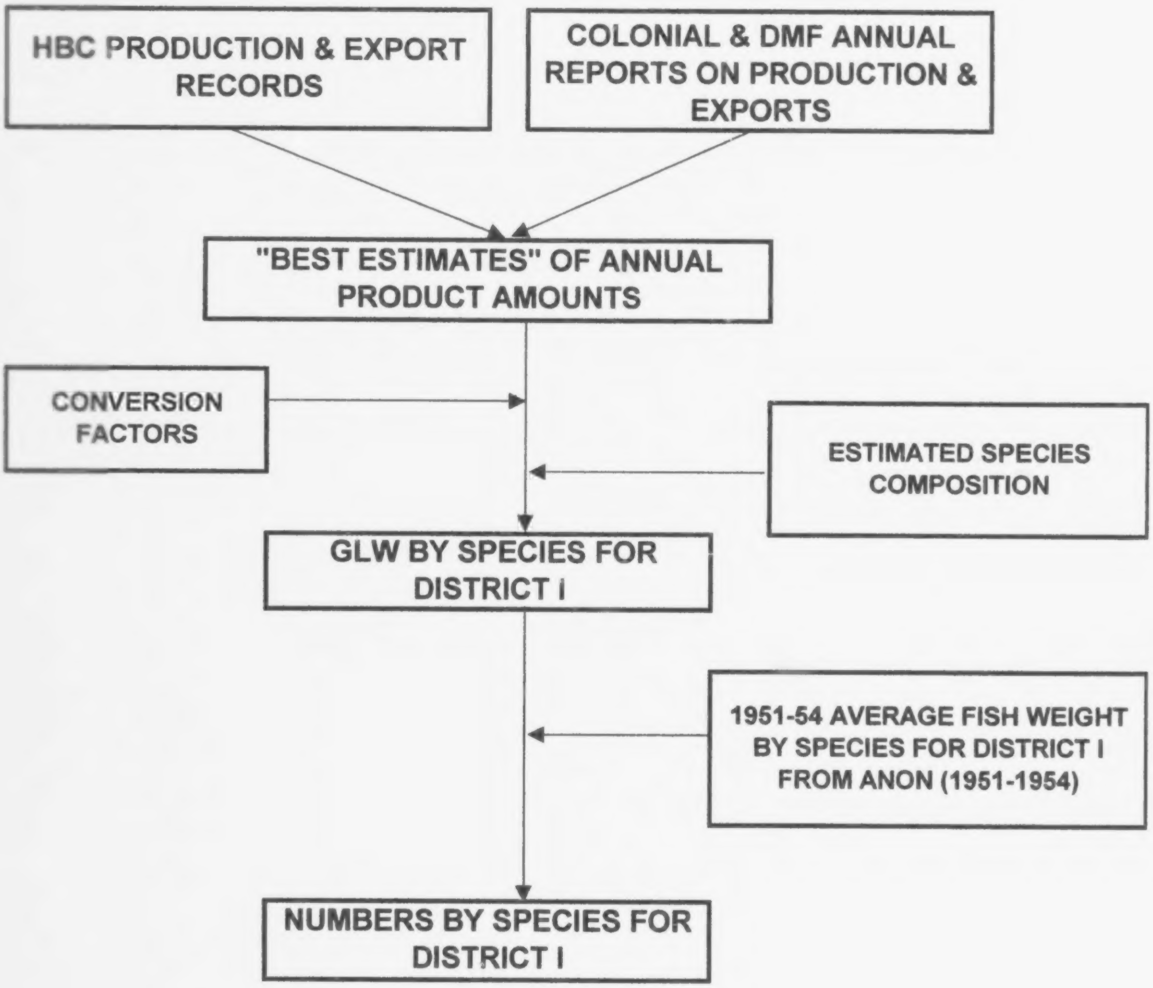

HBC PRODUCTION & EXPORT RECORDS
COLONIAL & DMF ANNUAL REPORTS ON PRODUCTION & EXPORTS
"BEST ESTIMATES" OF ANNUAL PRODUCT AMOUNTS
CONVERSION FACTORS
ESTIMATED SPECIES COMPOSITION
GLW BY SPECIES FOR DISTRICT I
1951-54 AVERAGE FISH WEIGHT BY SPECIES FOR DISTRICT I FROM ANON (1951-1954)
NUMBERS BY SPECIES FOR DISTRICT I

Figure 8. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District I (Fraser River), 1828-1875.

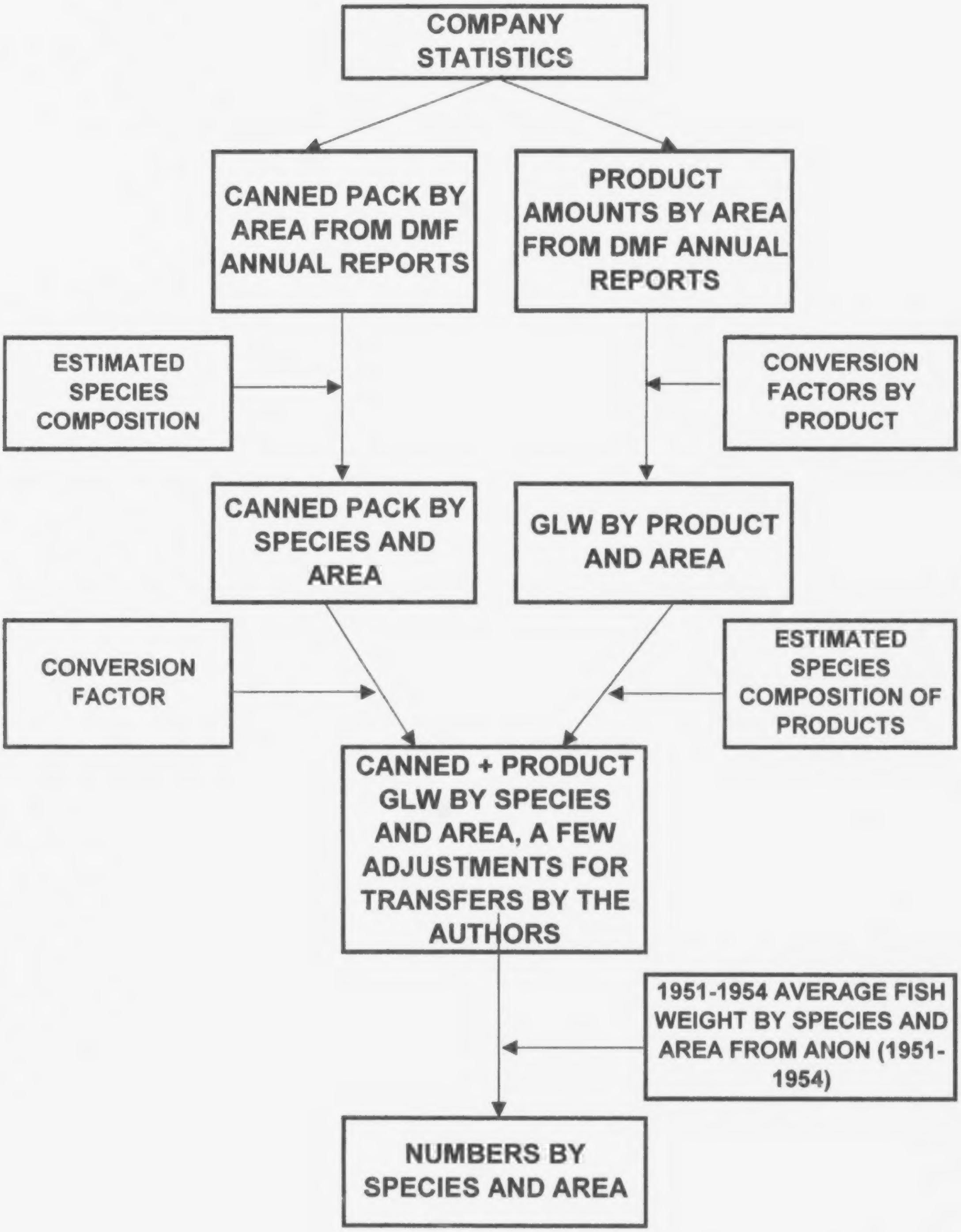

COMPANY STATISTICS
CANNED PACK BY AREA FROM DMF ANNUAL REPORTS
PRODUCT AMOUNTS BY AREA FROM DMF ANNUAL REPORTS
ESTIMATED SPECIES COMPOSITION
CONVERSION FACTORS BY PRODUCT
CANNED PACK BY SPECIES AND AREA
GLW BY PRODUCT AND AREA
CONVERSION FACTOR
ESTIMATED SPECIES COMPOSITION OF PRODUCTS
CANNED + PRODUCT GLW BY SPECIES AND AREA, A FEW ADJUSTMENTS FOR TRANSFERS BY THE AUTHORS
1951-1954 AVERAGE FISH WEIGHT BY SPECIES AND AREA FROM ANON (1951-1954)
NUMBERS BY SPECIES AND AREA

Figure 9. Flow chart of analyses for estimation of GLW and numbers of salmon caught in Districts I-III, 1876-1900.

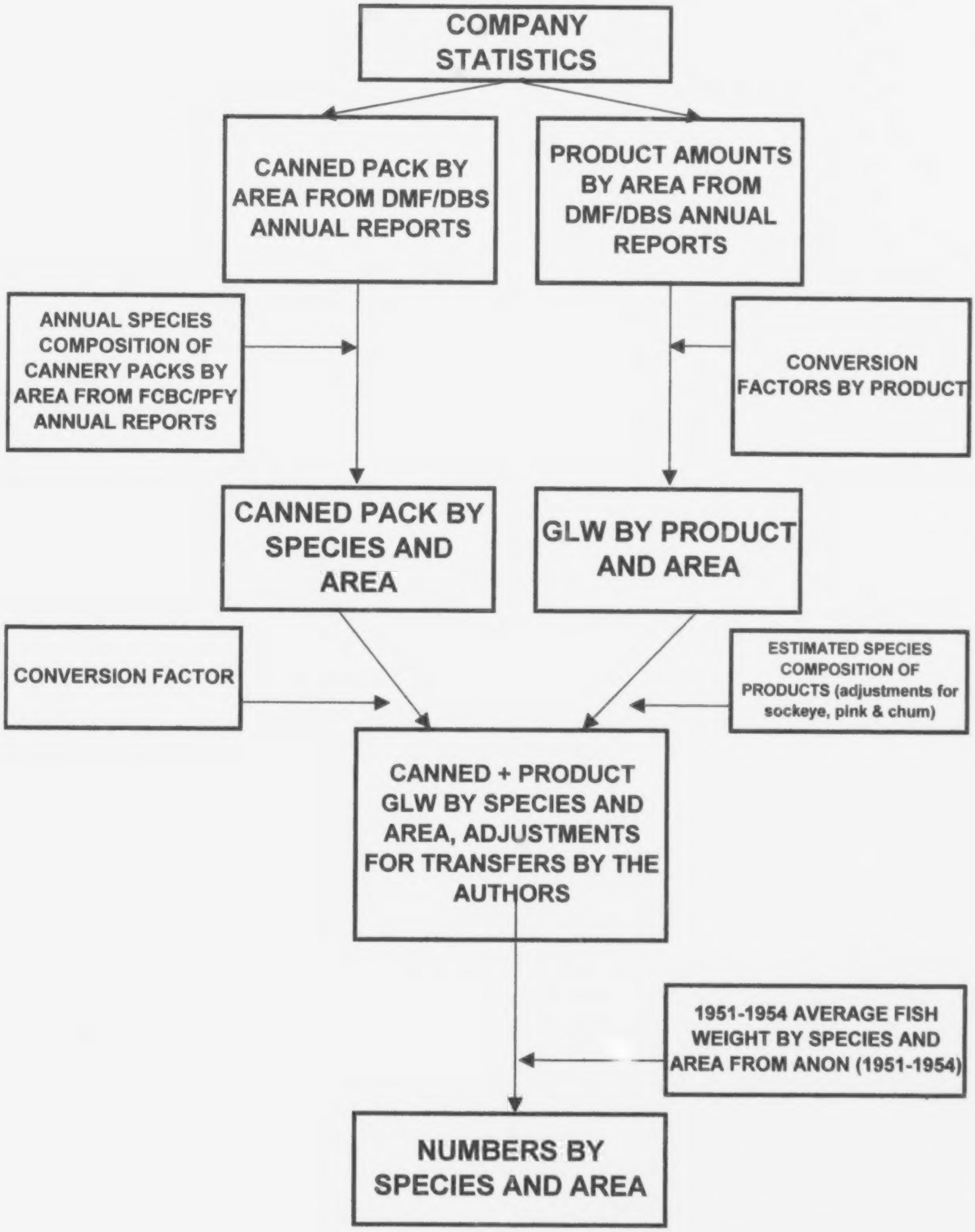

COMPANY STATISTICS
CANNED PACK BY AREA FROM DMF/DBS ANNUAL REPORTS
PRODUCT AMOUNTS BY AREA FROM DMF/DBS ANNUAL REPORTS
ANNUAL SPECIES COMPOSITION OF CANNERY PACKS BY AREA FROM FCBC/PFY ANNUAL REPORTS
CONVERSION FACTORS BY PRODUCT
CANNED PACK BY SPECIES AND AREA
GLW BY PRODUCT AND AREA
CONVERSION FACTOR
ESTIMATED SPECIES COMPOSITION OF PRODUCTS (adjustments for sockeye, pink & chum)
CANNED + PRODUCT GLW BY SPECIES AND AREA, ADJUSTMENTS FOR TRANSFERS BY THE AUTHORS
1951-1954 AVERAGE FISH WEIGHT BY SPECIES AND AREA FROM ANON (1951-1954)
NUMBERS BY SPECIES AND AREA

Figure 10. Flow chart of analyses for estimation of GLW and numbers of salmon caught in Districts I-III, 1901-1922.

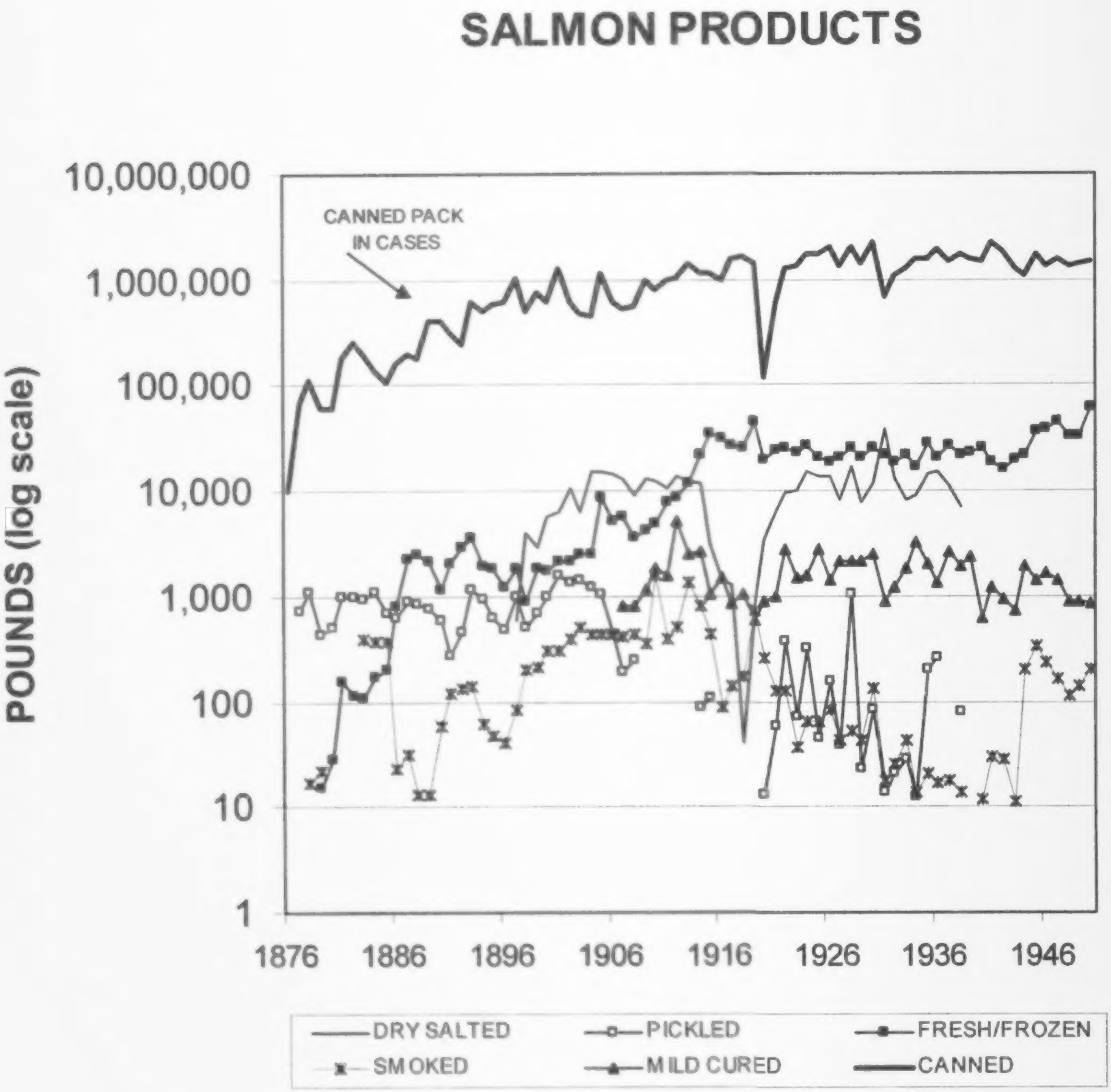


Figure 11. Trends in the production of salmon products and canned salmon between 1876 and 1950 (data from Anonymous 1917-1950 and Anonymous 1958).

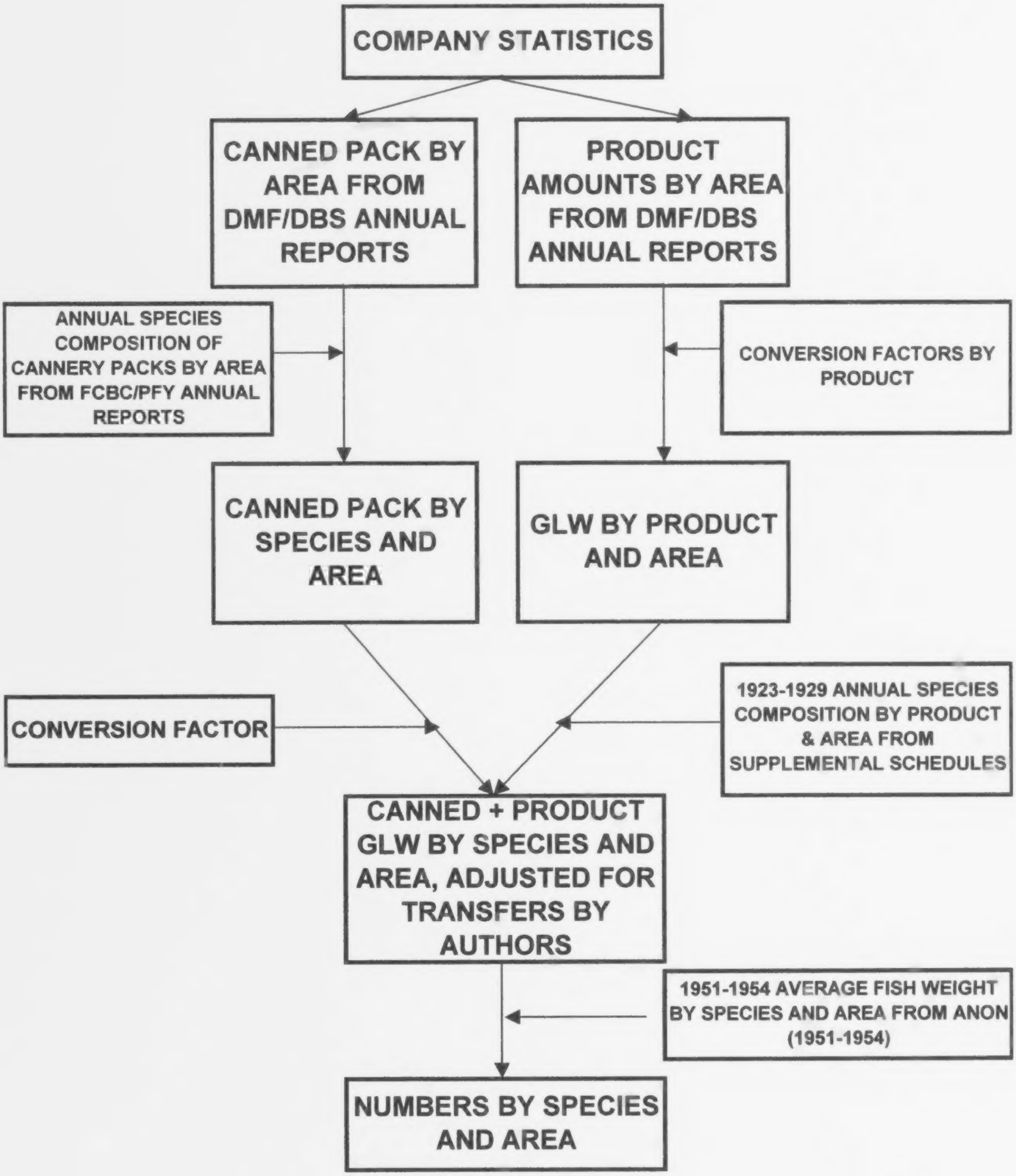

COMPANY STATISTICS
CANNED PACK BY AREA FROM DMF/DBS ANNUAL REPORTS
PRODUCT AMOUNTS BY AREA FROM DMF/DBS ANNUAL REPORTS
ANNUAL SPECIES COMPOSITION OF CANNERY PACKS BY AREA FROM FCBC/PFY ANNUAL REPORTS
CONVERSION FACTORS BY PRODUCT
CANNED PACK BY SPECIES AND AREA
GLW BY PRODUCT AND AREA
CONVERSION FACTOR
1923-1929 ANNUAL SPECIES COMPOSITION BY PRODUCT & AREA FROM SUPPLEMENTAL SCHEDULES
CANNED + PRODUCT GLW BY SPECIES AND AREA, ADJUSTED FOR TRANSFERS BY AUTHORS
1951-1954 AVERAGE FISH WEIGHT BY SPECIES AND AREA FROM ANON (1951-1954)
NUMBERS BY SPECIES AND AREA

Figure 12. Flow chart of analyses for estimation of GLW and numbers of salmon caught in Districts I-III, 1923-1929, and District I, 1930-1932.

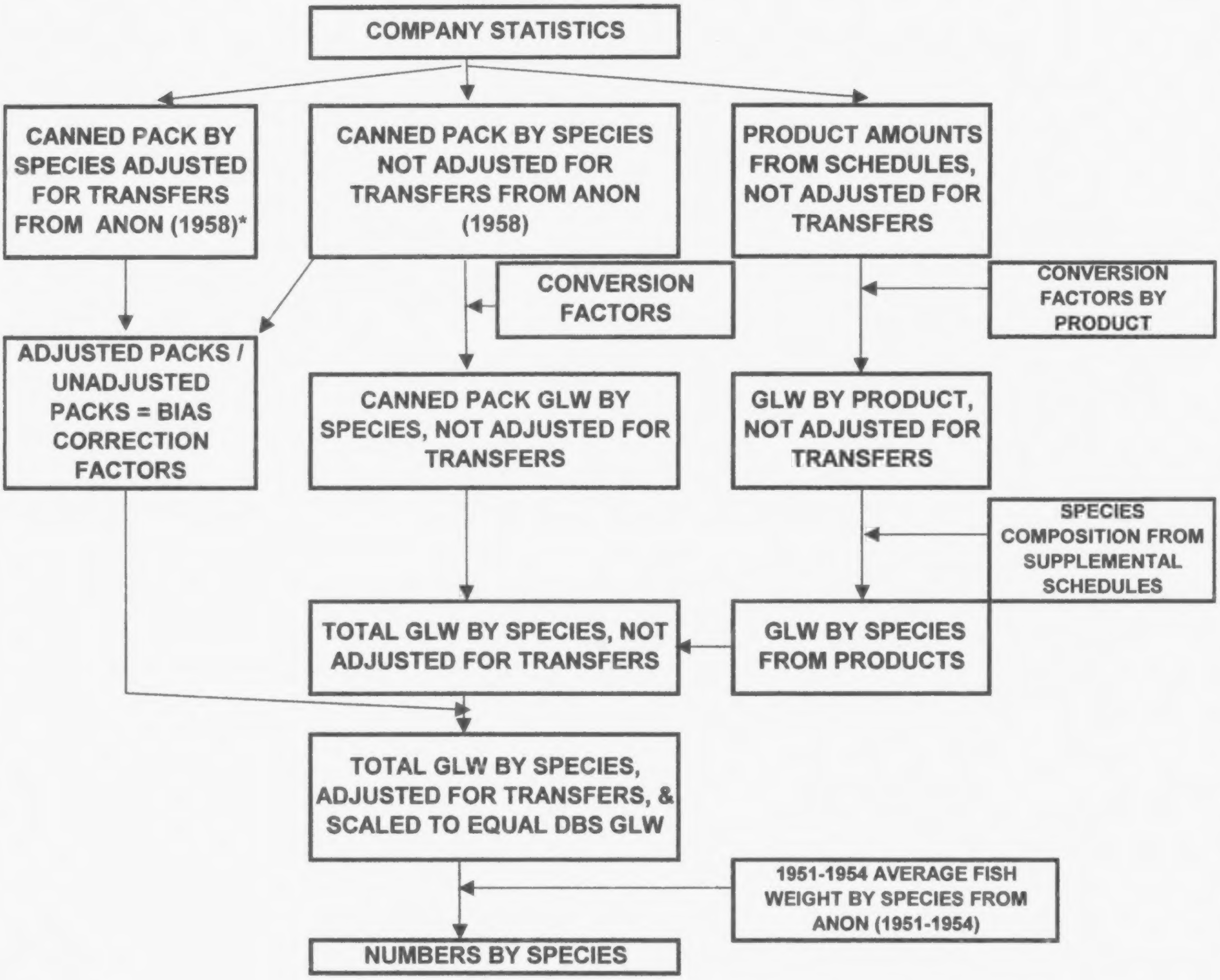

COMPANY STATISTICS
CANNED PACK BY SPECIES ADJUSTED FOR TRANSFERS FROM ANON (1958)*
CANNED PACK BY SPECIES NOT ADJUSTED FOR TRANSFERS FROM ANON (1958)
PRODUCT AMOUNTS FROM SCHEDULES, NOT ADJUSTED FOR TRANSFERS
CONVERSION FACTORS
CONVERSION FACTORS BY PRODUCT
ADJUSTED PACKS / UNADJUSTED PACKS = BIAS CORRECTION FACTORS
CANNED PACK GLW BY SPECIES, NOT ADJUSTED FOR TRANSFERS
GLW BY PRODUCT, NOT ADJUSTED FOR TRANSFERS
SPECIES COMPOSITION FROM SUPPLEMENTAL SCHEDULES
TOTAL GLW BY SPECIES, NOT ADJUSTED FOR TRANSFERS
GLW BY SPECIES FROM PRODUCTS
TOTAL GLW BY SPECIES, ADJUSTED FOR TRANSFERS, & SCALED TO EQUAL DBS GLW
1951-1954 AVERAGE FISH WEIGHT BY SPECIES FROM ANON (1951-1954)
NUMBERS BY SPECIES

Figure 13. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District I, 1933-1944. *1993 canned pack from Rounsefell and Kelez (1983).

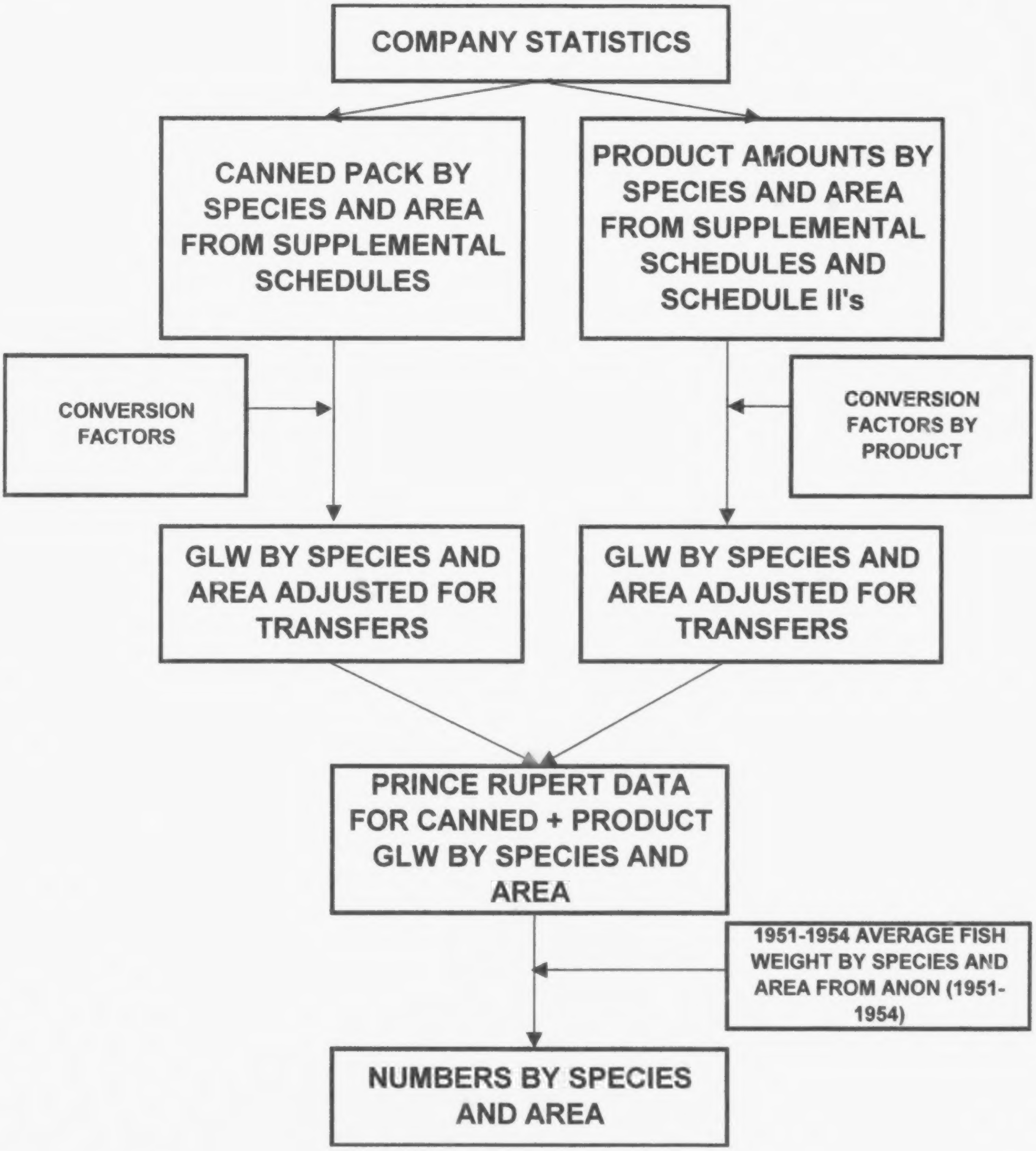

COMPANY STATISTICS
CANNED PACK BY SPECIES AND AREA FROM SUPPLEMENTAL SCHEDULES
PRODUCT AMOUNTS BY SPECIES AND AREA FROM SUPPLEMENTAL SCHEDULES AND SCHEDULE II's
CONVERSION FACTORS
CONVERSION FACTORS BY PRODUCT
GLW BY SPECIES AND AREA ADJUSTED FOR TRANSFERS
GLW BY SPECIES AND AREA ADJUSTED FOR TRANSFERS
PRINCE RUPERT DATA FOR CANNED + PRODUCT GLW BY SPECIES AND AREA
1951-1954 AVERAGE FISH WEIGHT BY SPECIES AND AREA FROM ANON (1951-1954)
NUMBERS BY SPECIES AND AREA

Figure 14. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District II, 1930-1944.

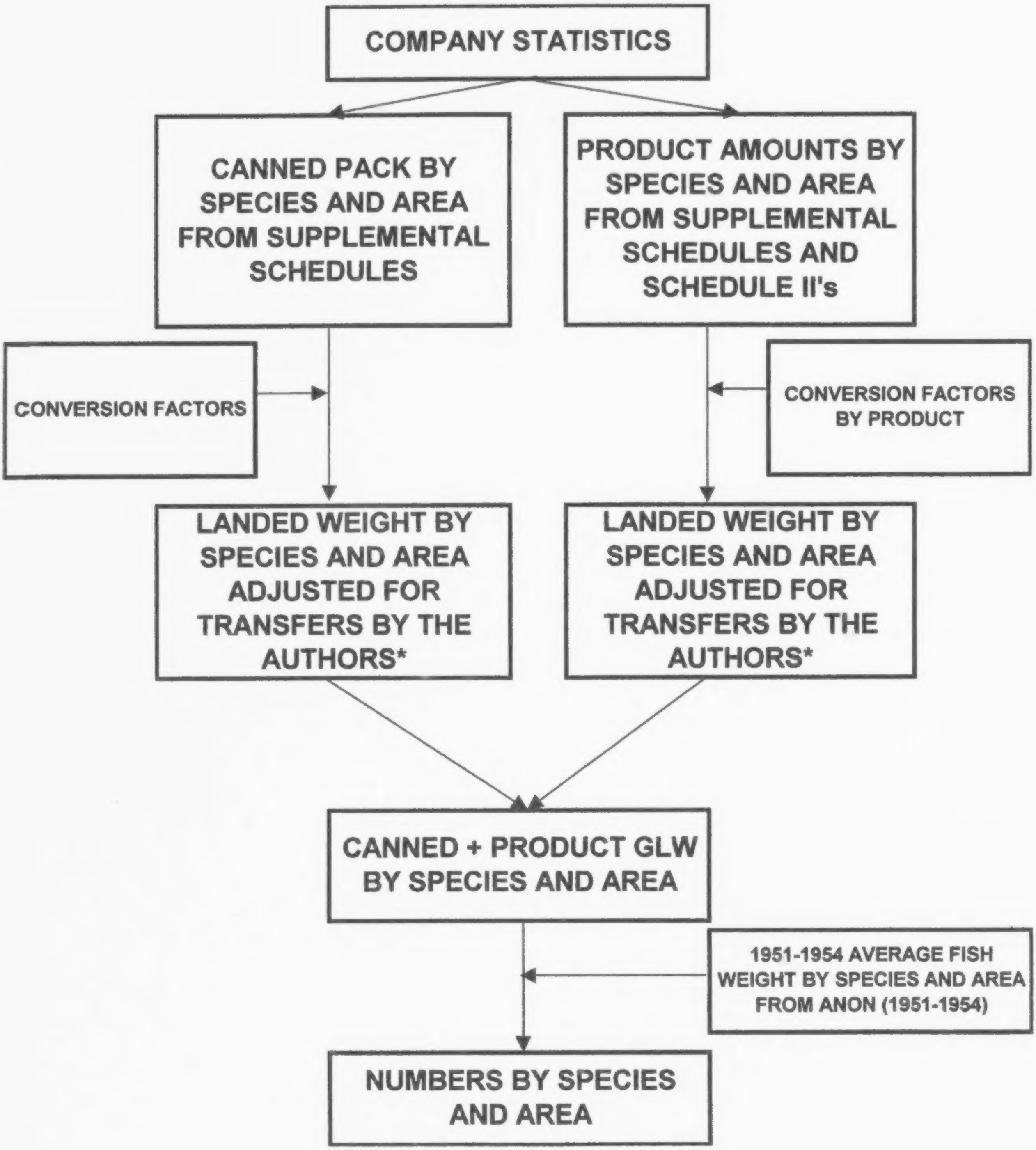

COMPANY STATISTICS
CANNED PACK BY SPECIES AND AREA FROM SUPPLEMENTAL SCHEDULES
PRODUCT AMOUNTS BY SPECIES AND AREA FROM SUPPLEMENTAL SCHEDULES AND SCHEDULE II's
CONVERSION FACTORS
CONVERSION FACTORS BY PRODUCT
LANDED WEIGHT BY SPECIES AND AREA ADJUSTED FOR TRANSFERS BY THE AUTHORS*
LANDED WEIGHT BY SPECIES AND AREA ADJUSTED FOR TRANSFERS BY THE AUTHORS*
CANNED + PRODUCT GLW BY SPECIES AND AREA
1951-1954 AVERAGE FISH WEIGHT BY SPECIES AND AREA FROM ANON (1951-1954)
NUMBERS BY SPECIES AND AREA

Figure 15. Flow chart of analyses for estimation of GLW and numbers of salmon caught in District III, 1930-1944. *Adjusted for transfers by the authors from 1930 to 1932; DMF adjusted for transfers from 1933 onward.

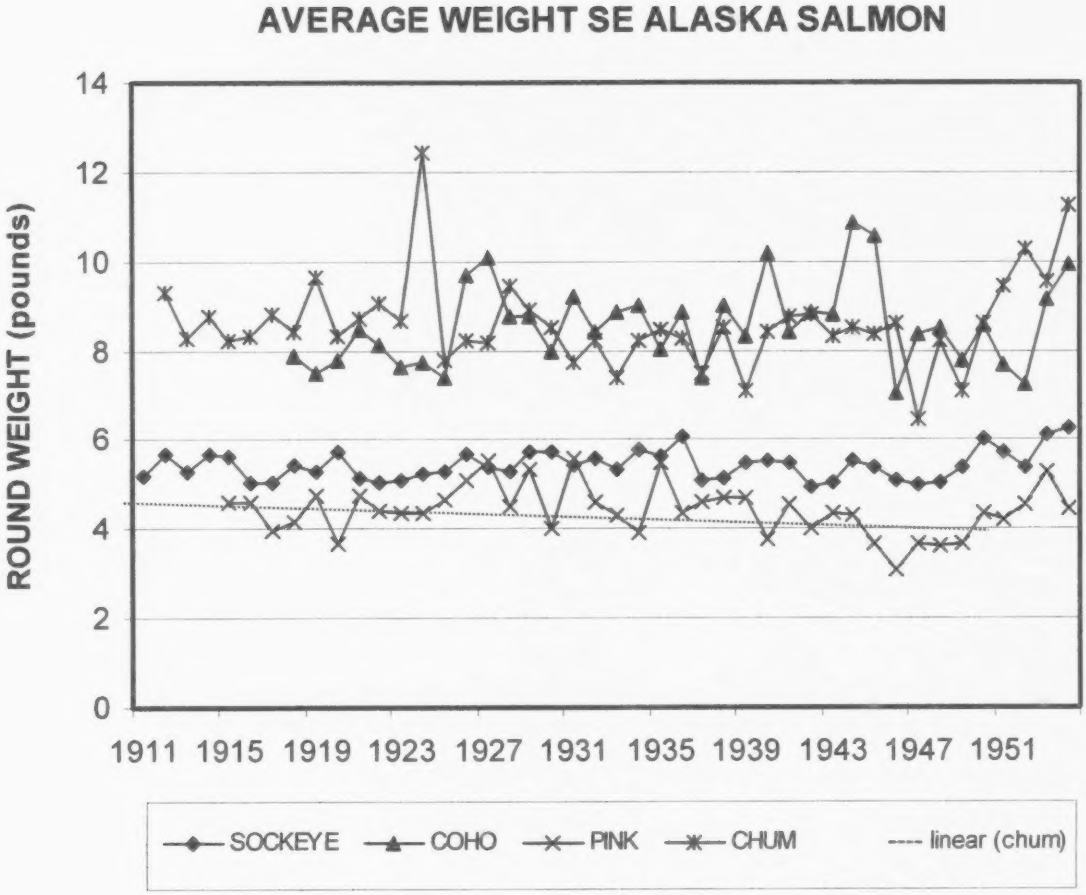


Figure 16. Average round weight of sockeye, coho, pink and chum in Southeast Alaska commercial fisheries, 1910-1954, from Marshall and Quinn (1988). A linear regression line was fitted to the chum data series ($p<0.05$).

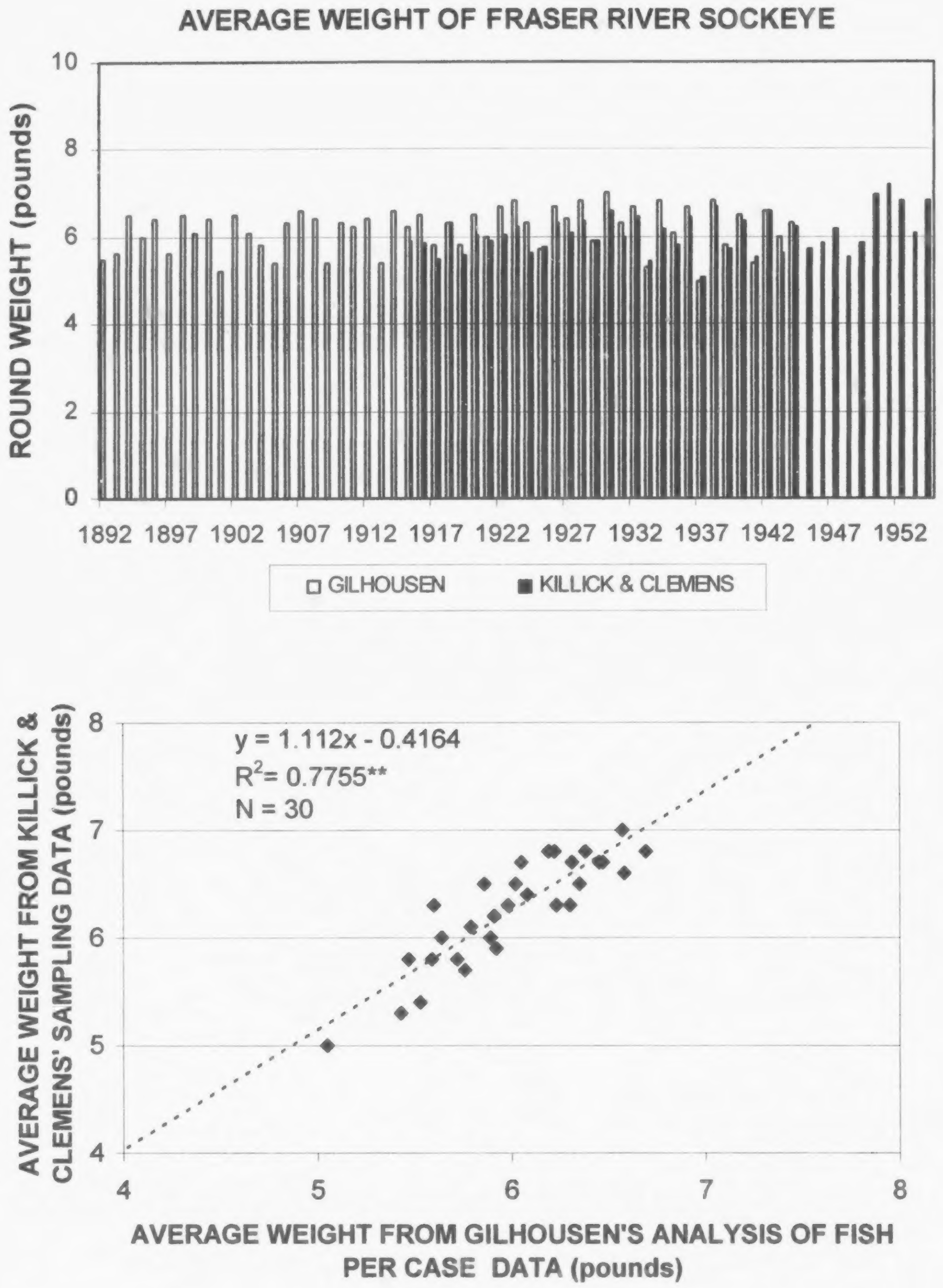


Figure 17. Average round weight of Fraser River sockeye in commercial fisheries, 1892 to 1944, from Gilhousen (1992) and 1915 to 1954 from Killick and Clemens (1963). Regression relationship between average weights from the two data sets for the overlap period in the lower panel. ** = P< 0.01.

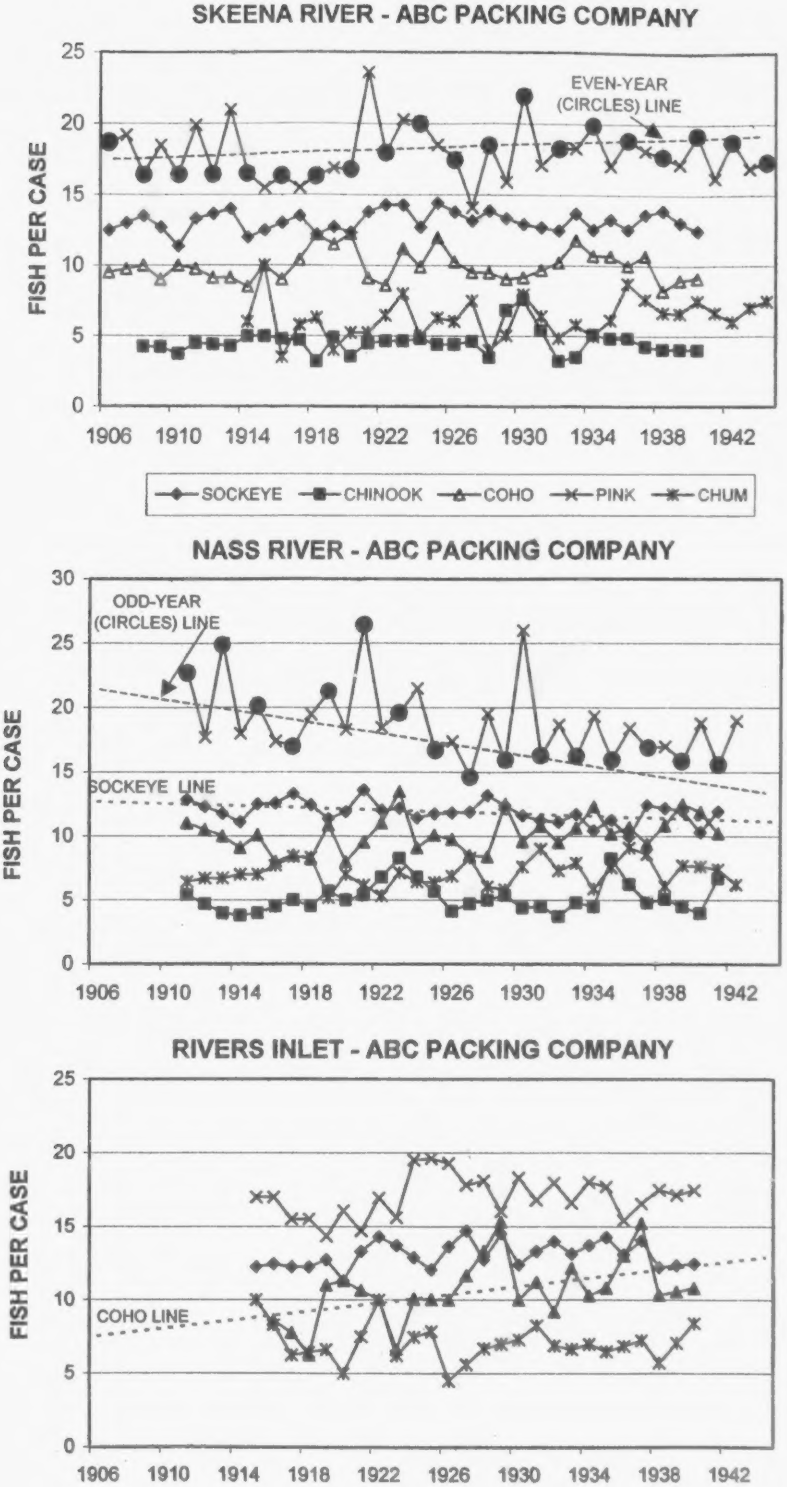


Figure 18. Average numbers of sockeye, chinook, coho, pink and chum that were required to produce a case of canned salmon, 1906-1944. Data from David Welch, DFO Nanaimo (pers comm.). Linear regression lines fitted where regressions were statistically significant. For pink salmon, these are the Skeena River even-year data series and the Nass River odd-year data series. The data points in these two series are the solid circles.

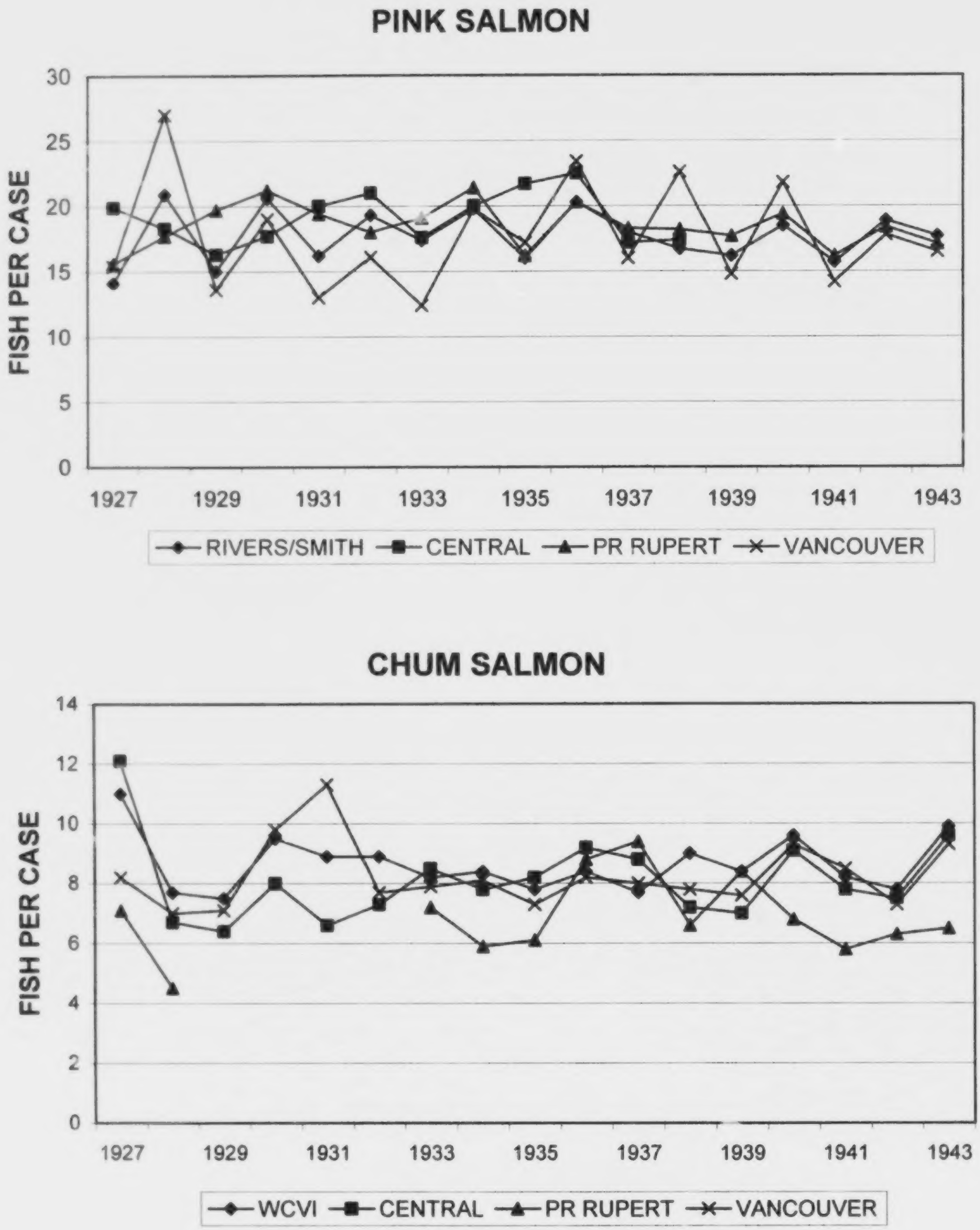


Figure 19. Average numbers of pink and chum that were required to produce a case of canned salmon, 1927-1943, from Hoar (1951).

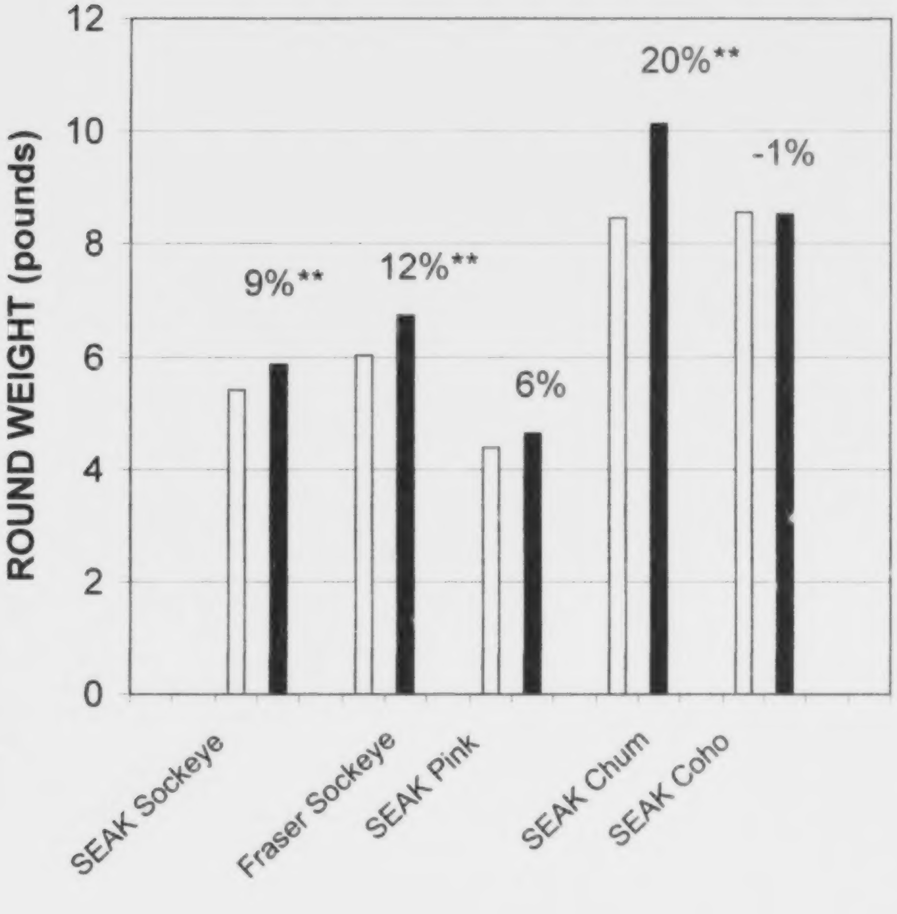


Figure 20. Comparison of average round weight between years prior to 1951 (white bars) and 1951-1954 (black bars). Percentage difference between 1951-54 and <1951 shown above bars. ** = P<0.01.

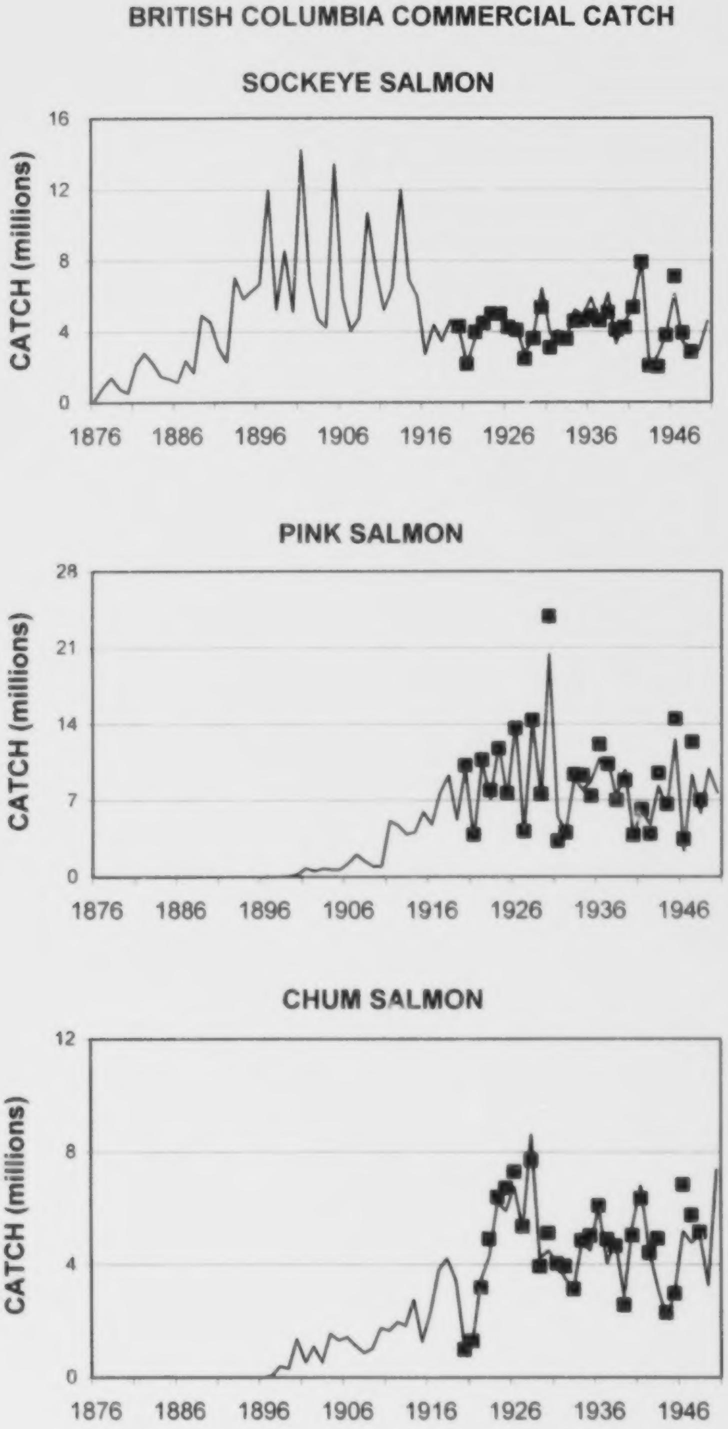


Figure 21. British Columbia commercial sockeye, pink and chum catch-in-numbers from this report (solid line) and from DMF Annual Reports (solid squares).

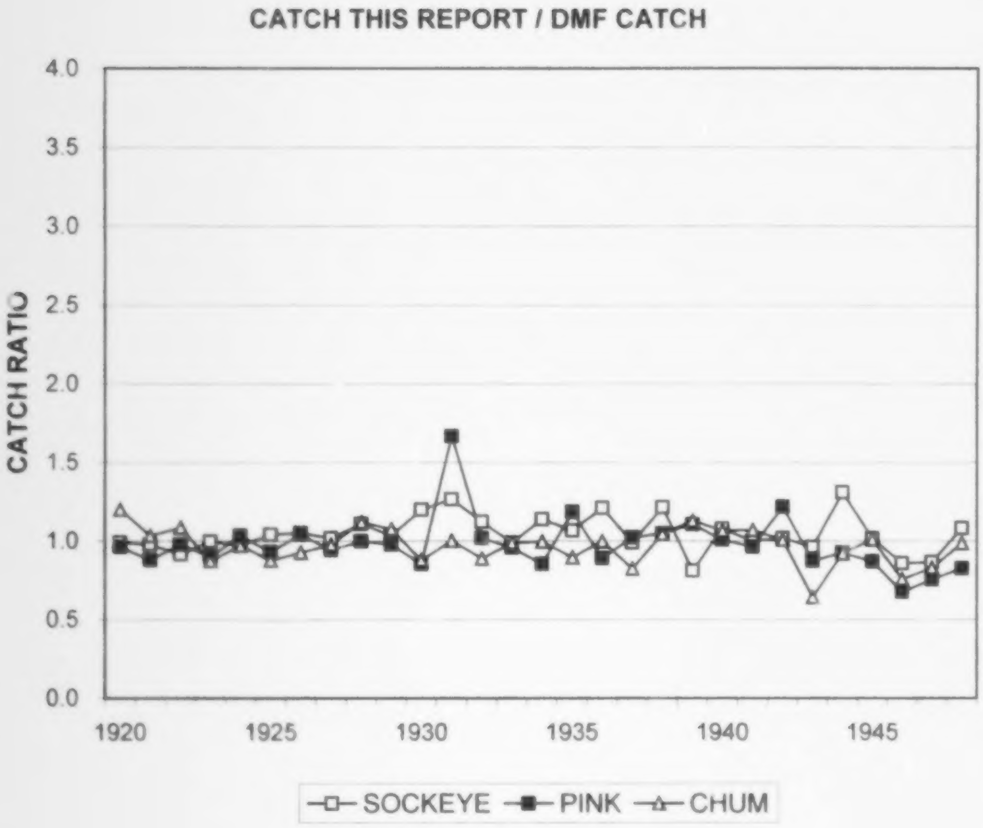


Figure 22. British Columbia sockeye, pink and chum catch estimates from this report divided by catches from DMF Annual Reports.

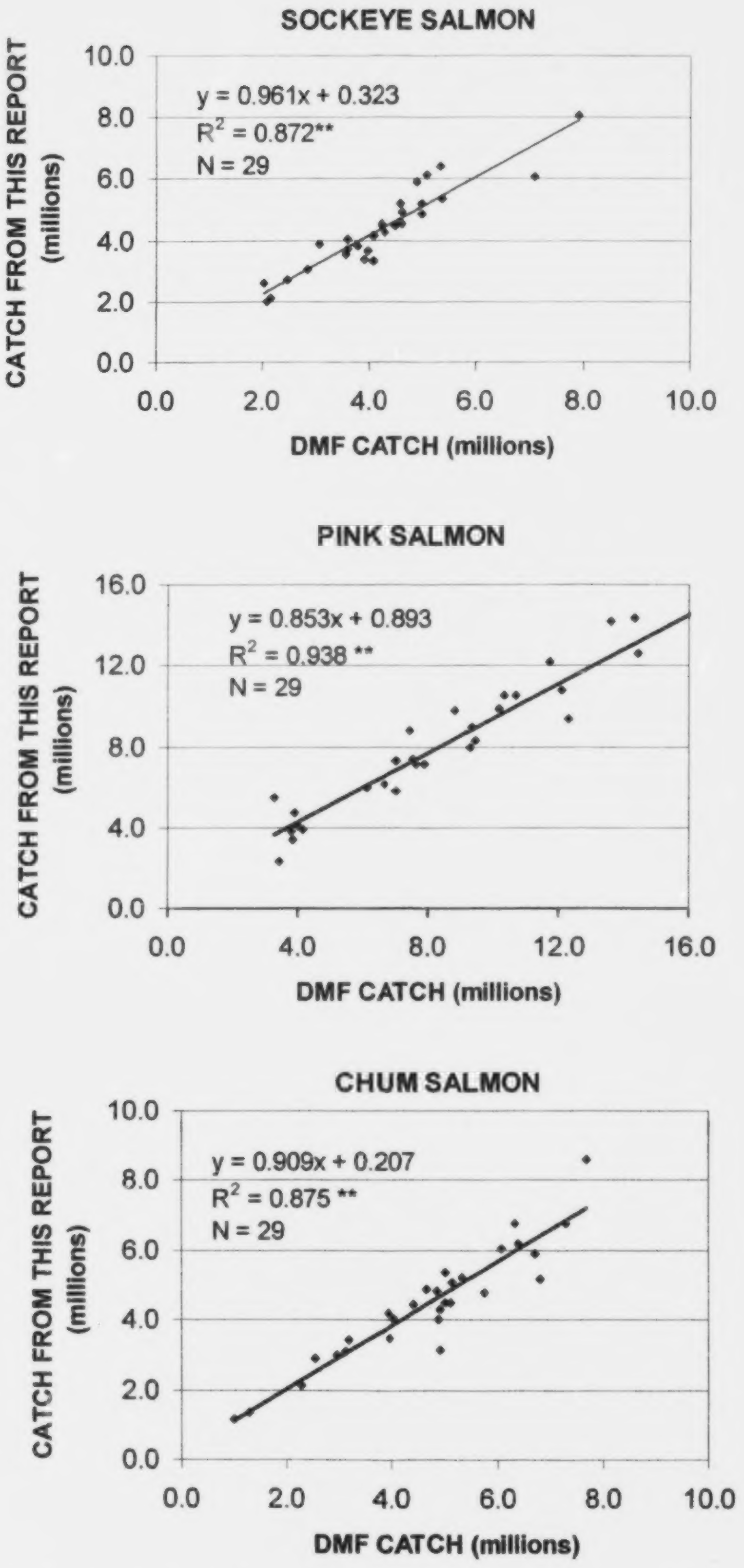
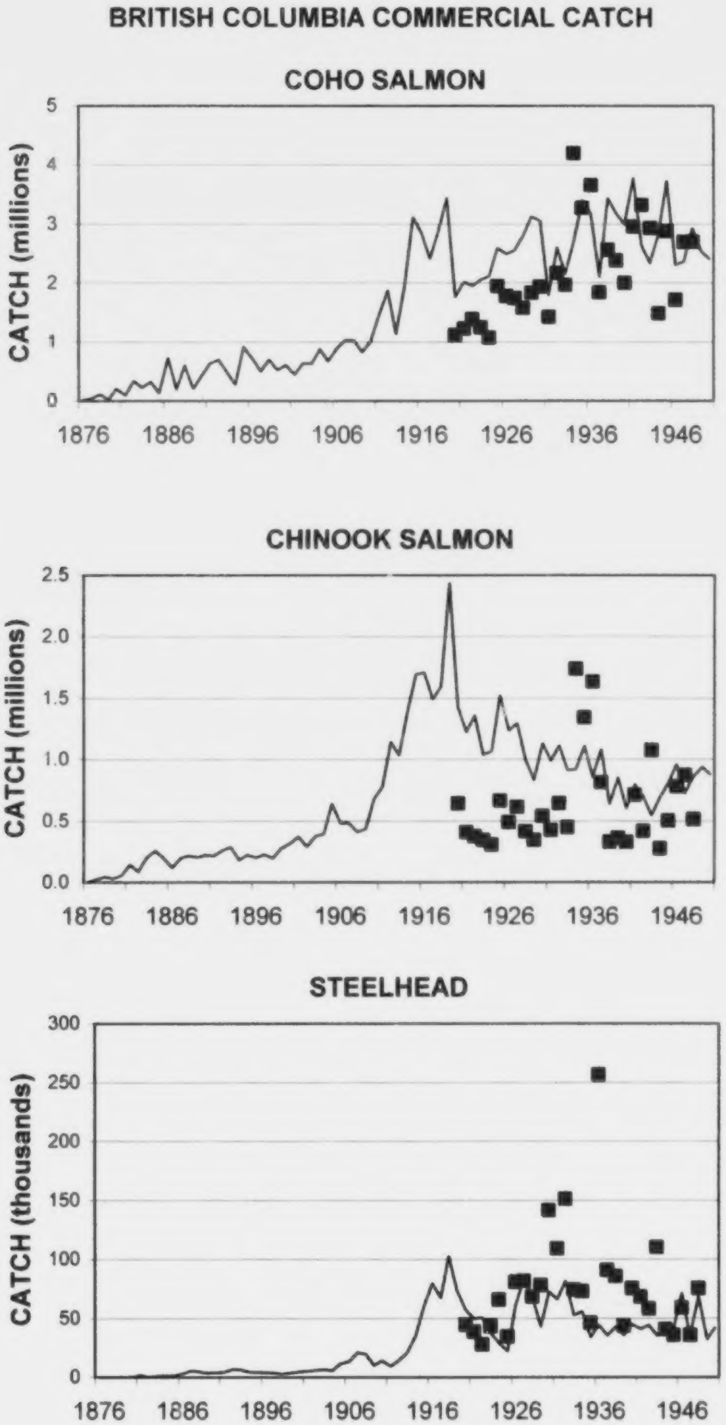


Figure 23. Linear regressions of catch-in-numbers from DMF Annual Reports on catch-in-numbers from this report, for sockeye, pink and chum, 1920 to1948. Goodness of fit, R (** $p<0.01$), and sample size, N, are shown for each regression.



BRITISH COLUMBIA COMMERCIAL CATCH

COHO SALMON

CHINOOK SALMON

STEELHEAD

Figure 24. British Columbia commercial chinook, coho and steelhead catch-in-numbers from this report (solid line) and from DMF Annual Reports (solid squares).

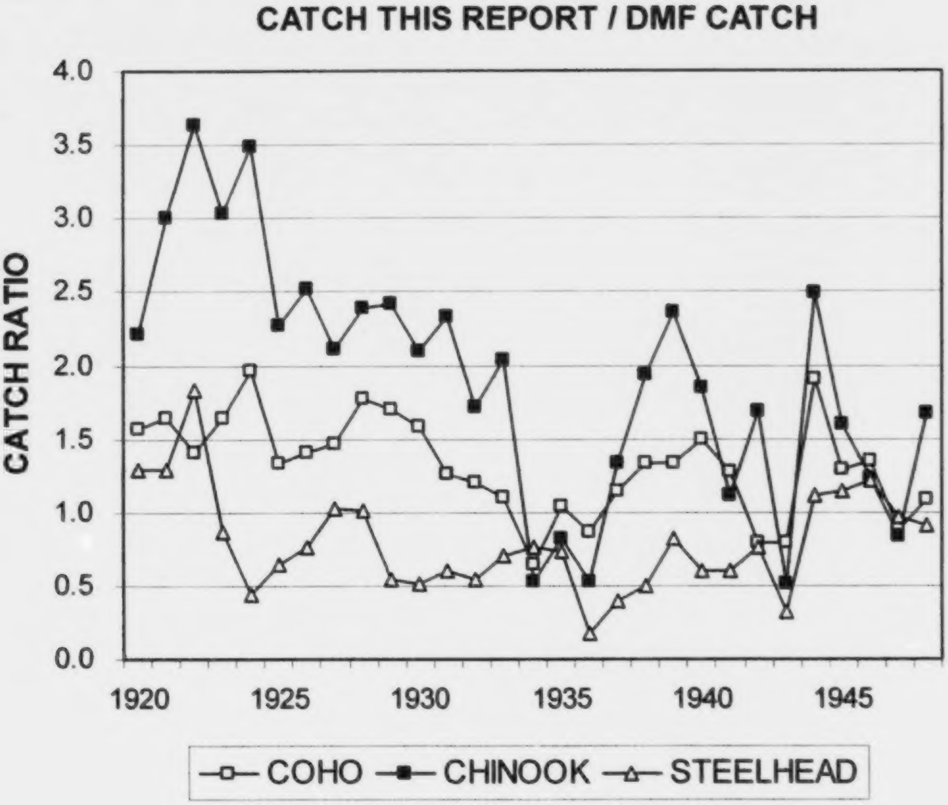


Figure 25. British Columbia coho, chinook and steelhead catch estimates from this report divided by catches from DMF Annual Reports.

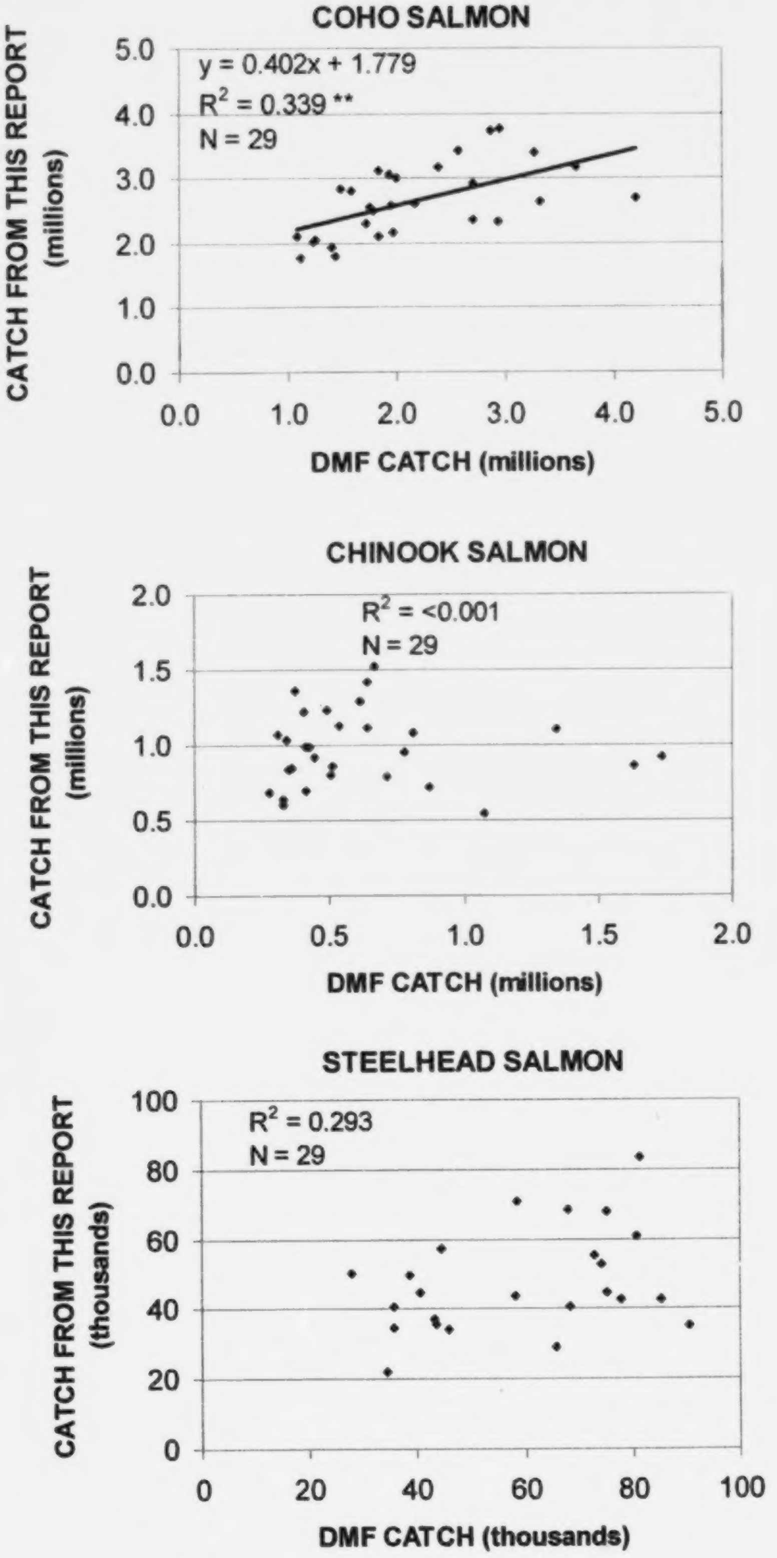
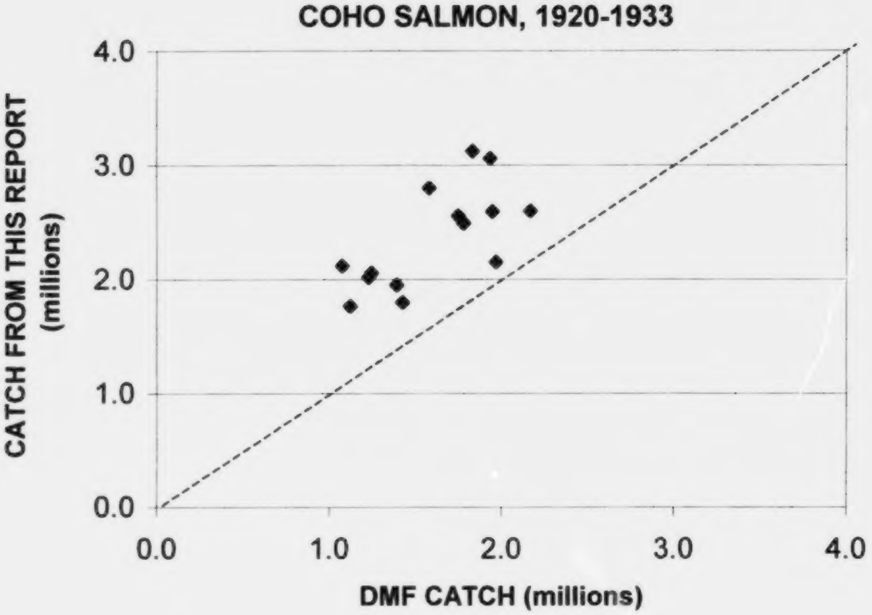


Figure 26. Linear regressions of catch-in-numbers from DMF Annual Reports on catch-in-numbers from this report, for chinook, coho and steelhead, 1920 to 1948. Goodness of fit, R (** p<0.01), and sample size, N, are shown for each regression.



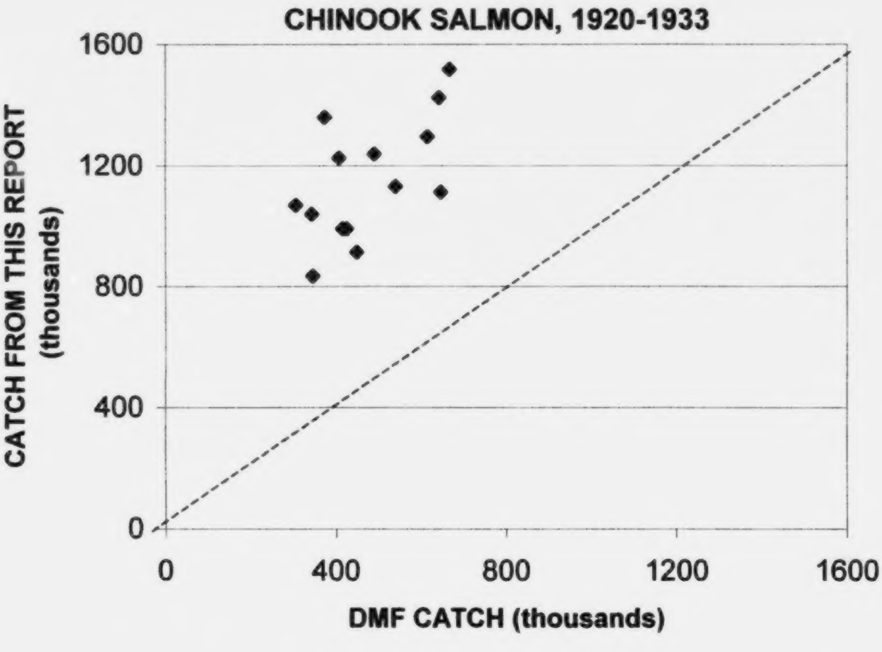


Figure 27. Relationships between coho and chinook catch-in-numbers from DMF Annual Reports and total catch-in-numbers from this report, 1920-1933. The dashed line represents a one-to-one relationship.

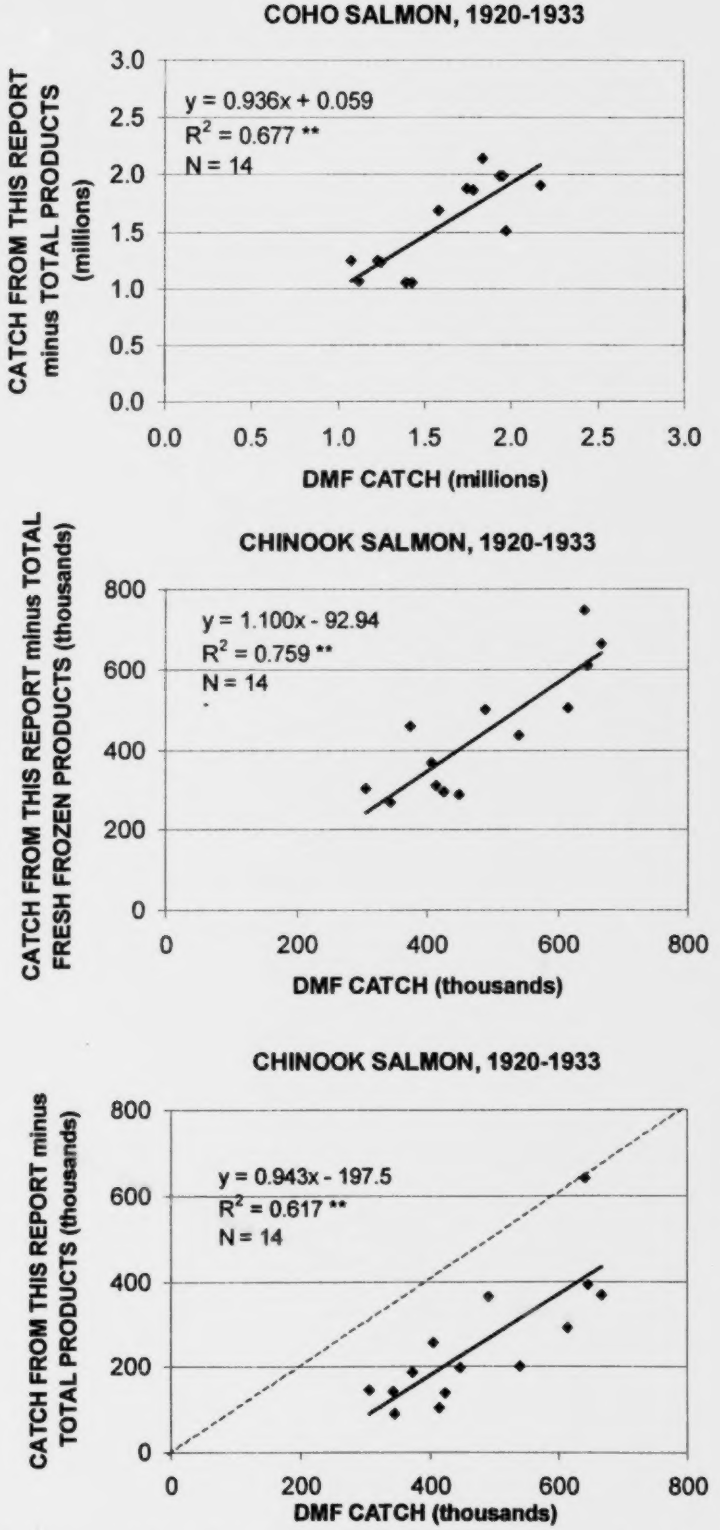
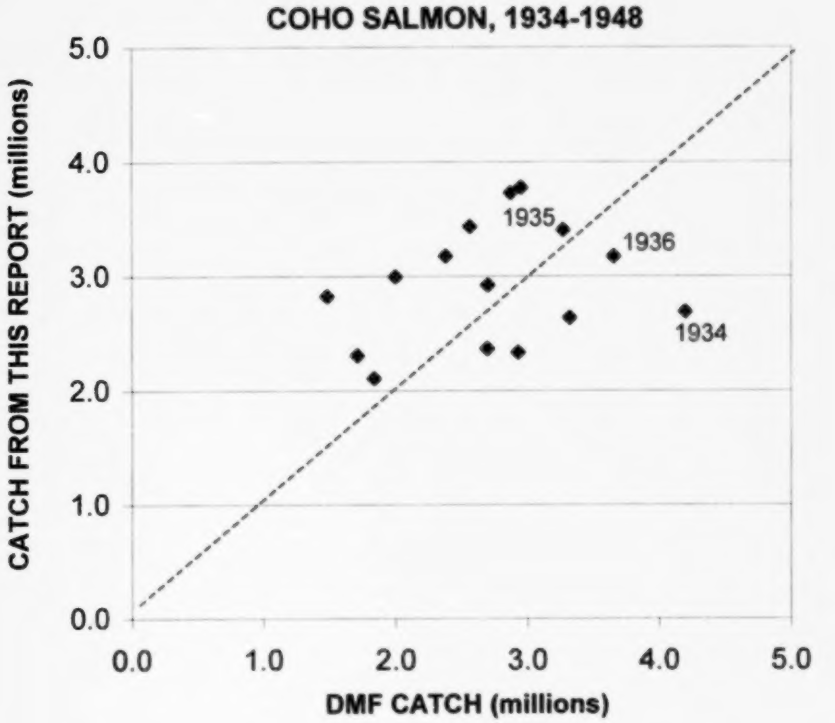


Figure 28. Linear regressions for coho and chinook catch-in-numbers from DMF Annual Reports on total catch-in-numbers from this report less total products (chinook and coho), and less fresh/frozen (chinook), 1920 to1933. Goodness of fit, R (** p<0.01), and sample size, N, are shown for each regression. The dashed line represents a one-to-one relationship.



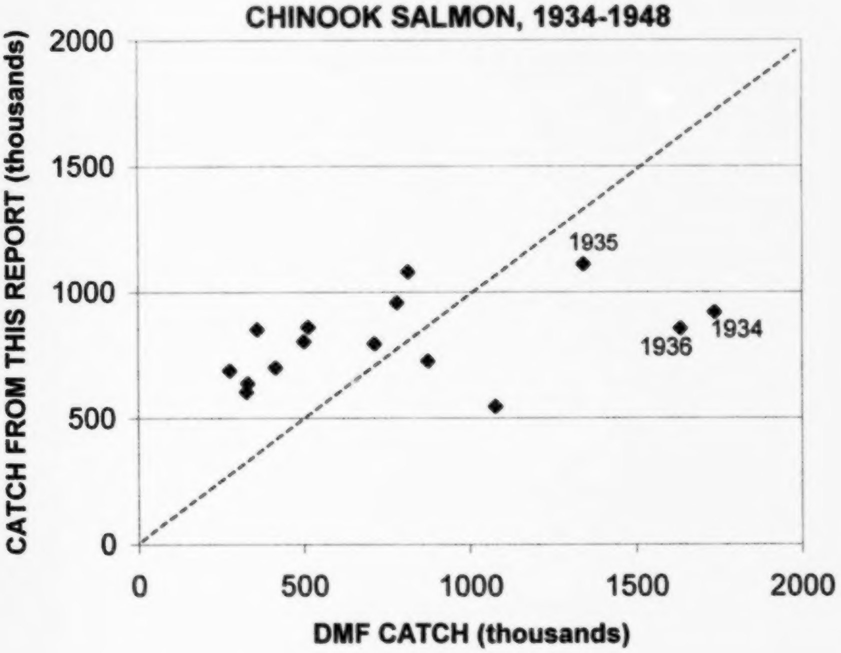


Figure 29. Relationships between coho and chinook catch-in-numbers from DMF Annual Reports and total catch-in-numbers from this report, 1934-1948. The dashed line represents a one-to-one relationship.

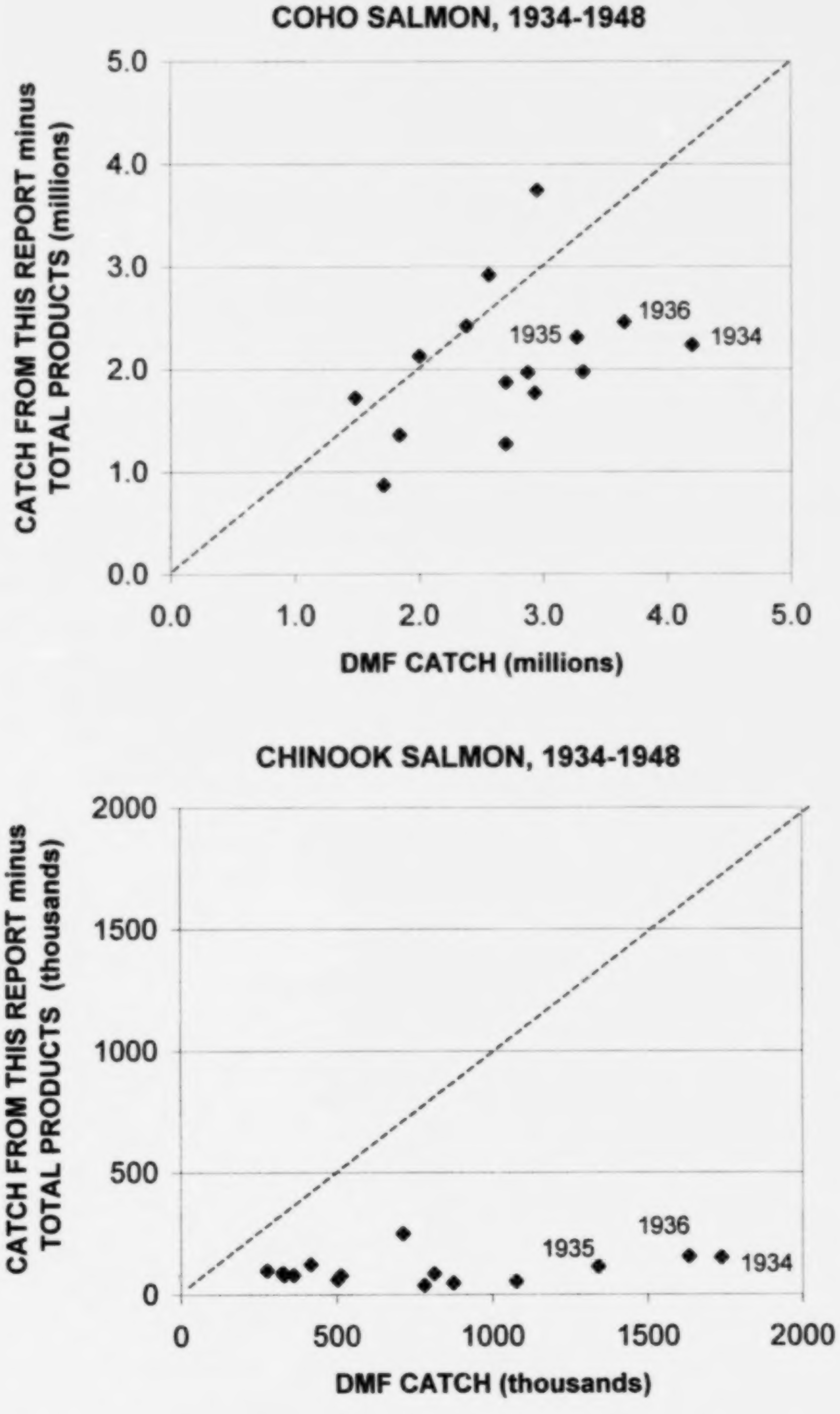
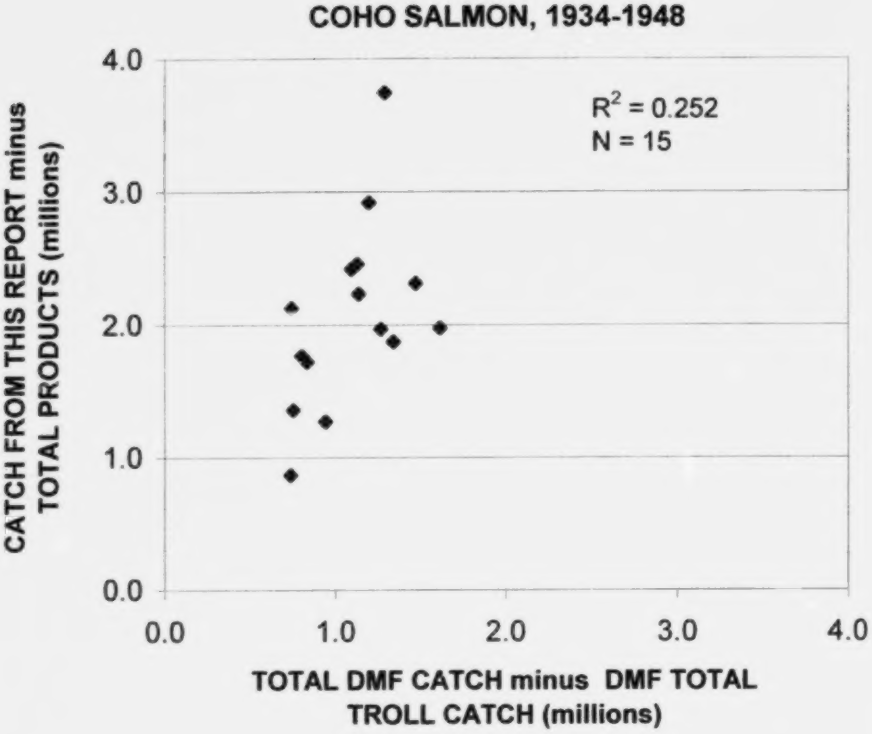


Figure 30. Relationships between coho and chinook catch-in-numbers from DMF Annual Reports and total catch-in-numbers from this report less total products, 1934-1948. The dashed line represents a one-to-one relationship.



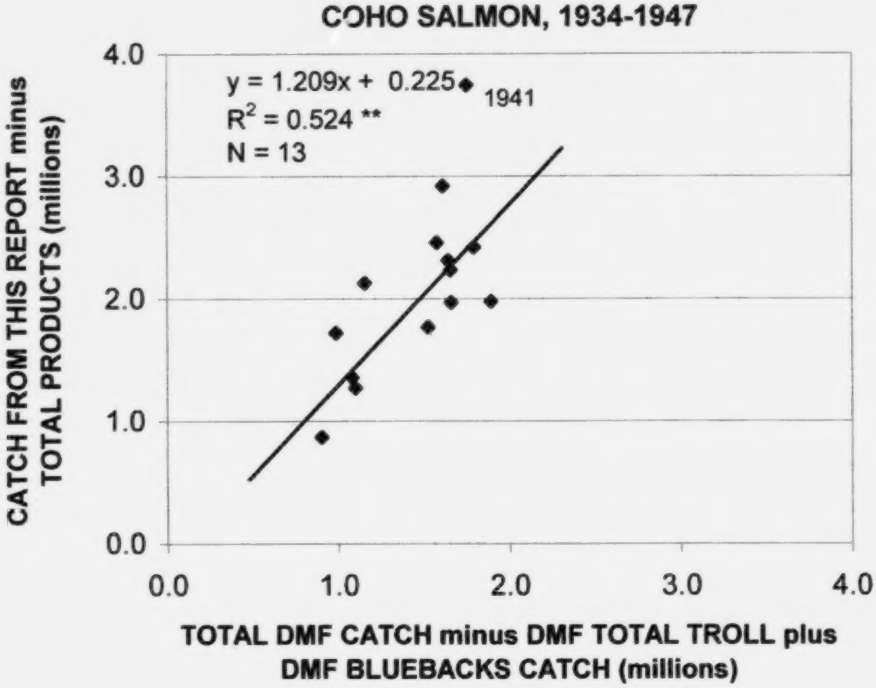
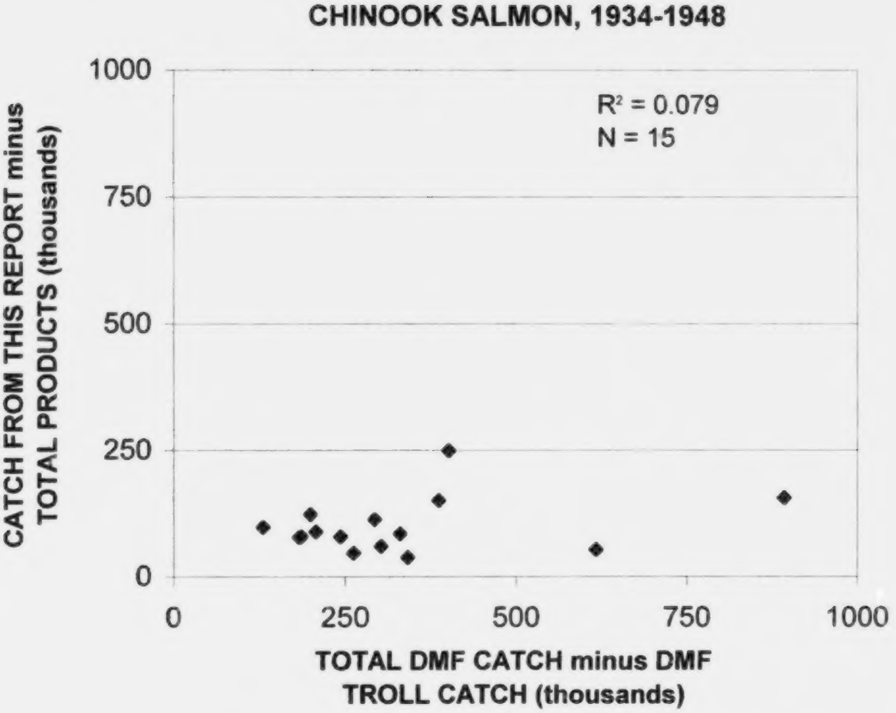


Figure 31. Linear regressions of coho catch-in-numbers from DMF Annual Reports less troll catch from DMF Annual Reports on total catch-in-numbers from this report less products, 1934 to 1948. Goodness of fit, R (** $p<0.01$), and sample size, N, are shown for each regression. 1941 outlier excluded from regression in lower graph.



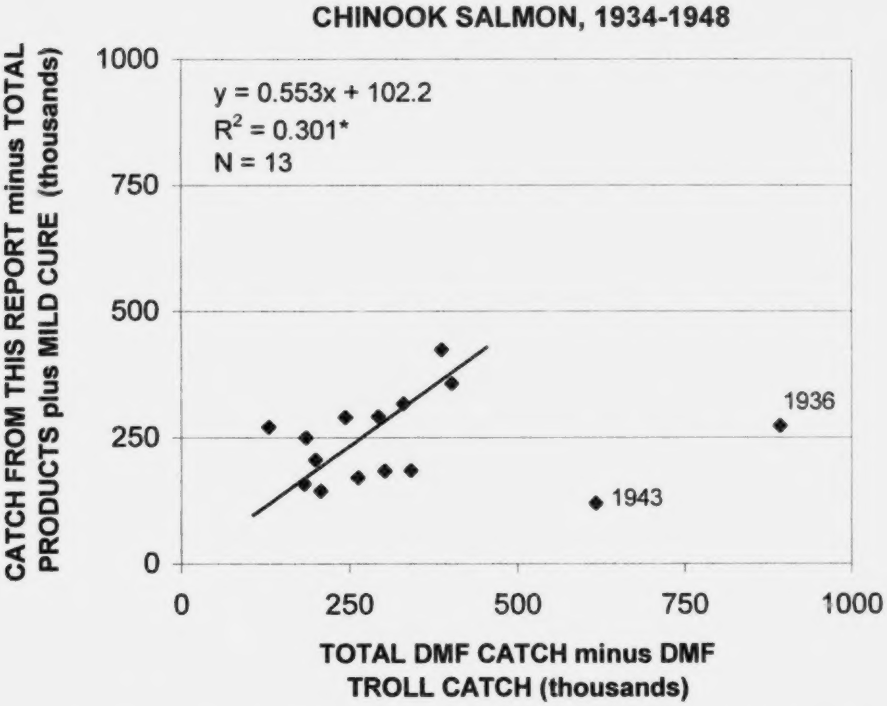


Figure 32. Linear regressions of chinook catch-in-numbers from DMF Annual Reports less troll catch from DMF Annual Reports on total catch-in-numbers from this report less products (lower graph, mild cure included), 1934 to 1948. Goodness of fit, R (* $p<0.05$), and sample size, N, are shown for each regression. 1936 and 1943 outliers excluded from regression in lower graph.

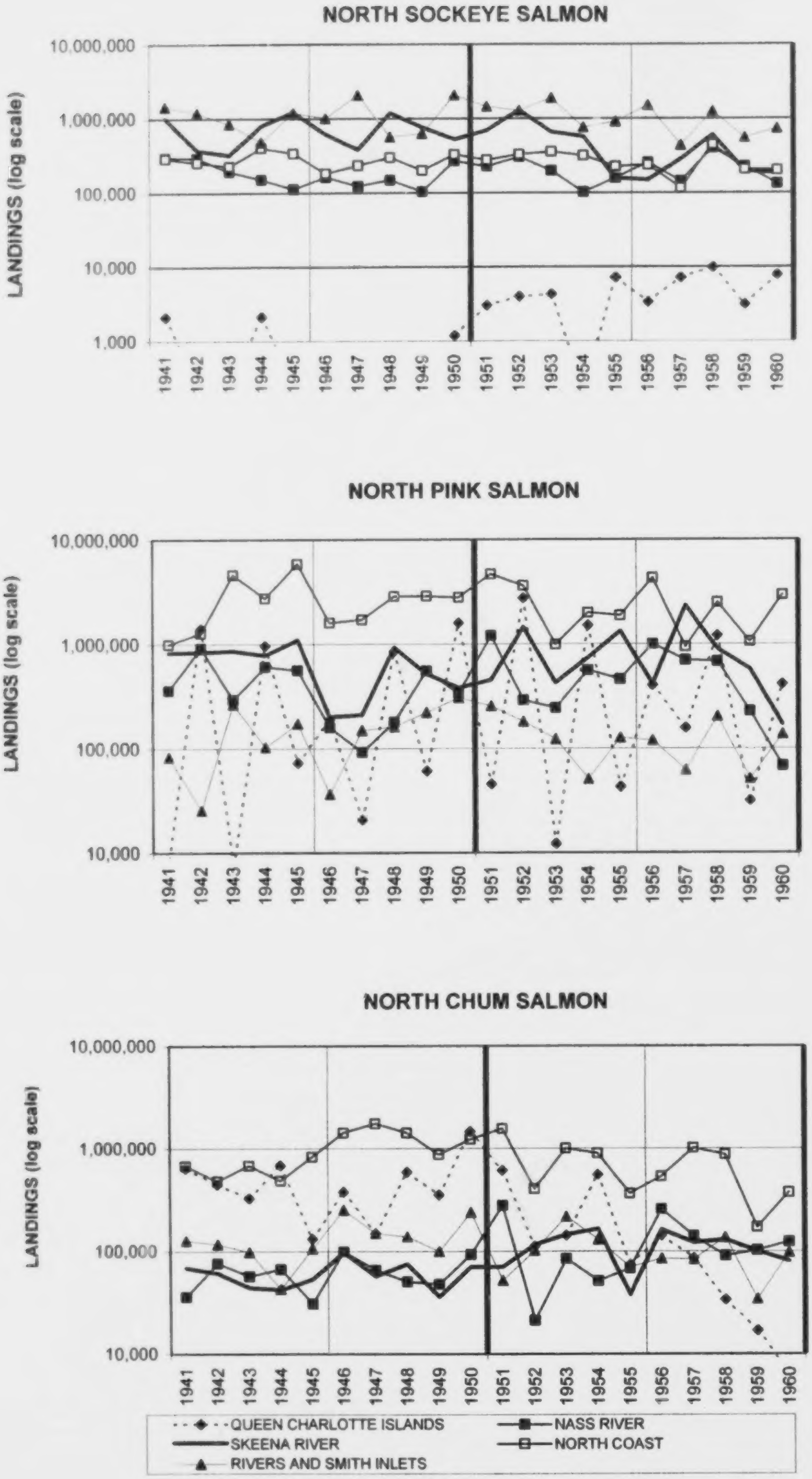


Figure 33. Annual landings (log scale) of sockeye pink and chum salmon in numbers of fish for northern areas for ten years before and after the sales slip statistical system was introduced in 1951.

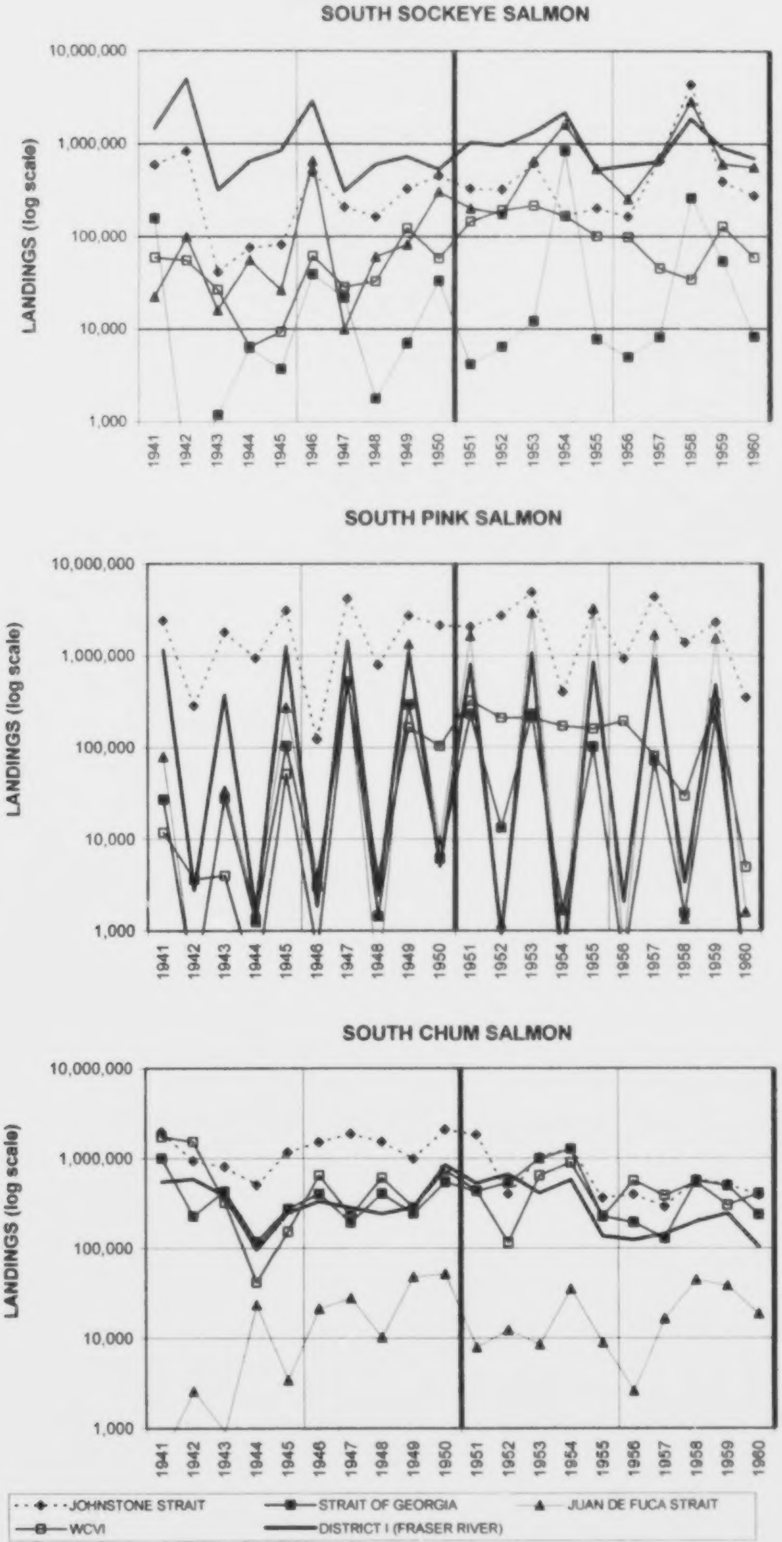


Figure 34. Annual landings (log scale) of sockeye pink and chum salmon in numbers of fish for southern areas for ten years before and after the sales slip statistical system was introduced in 1951.

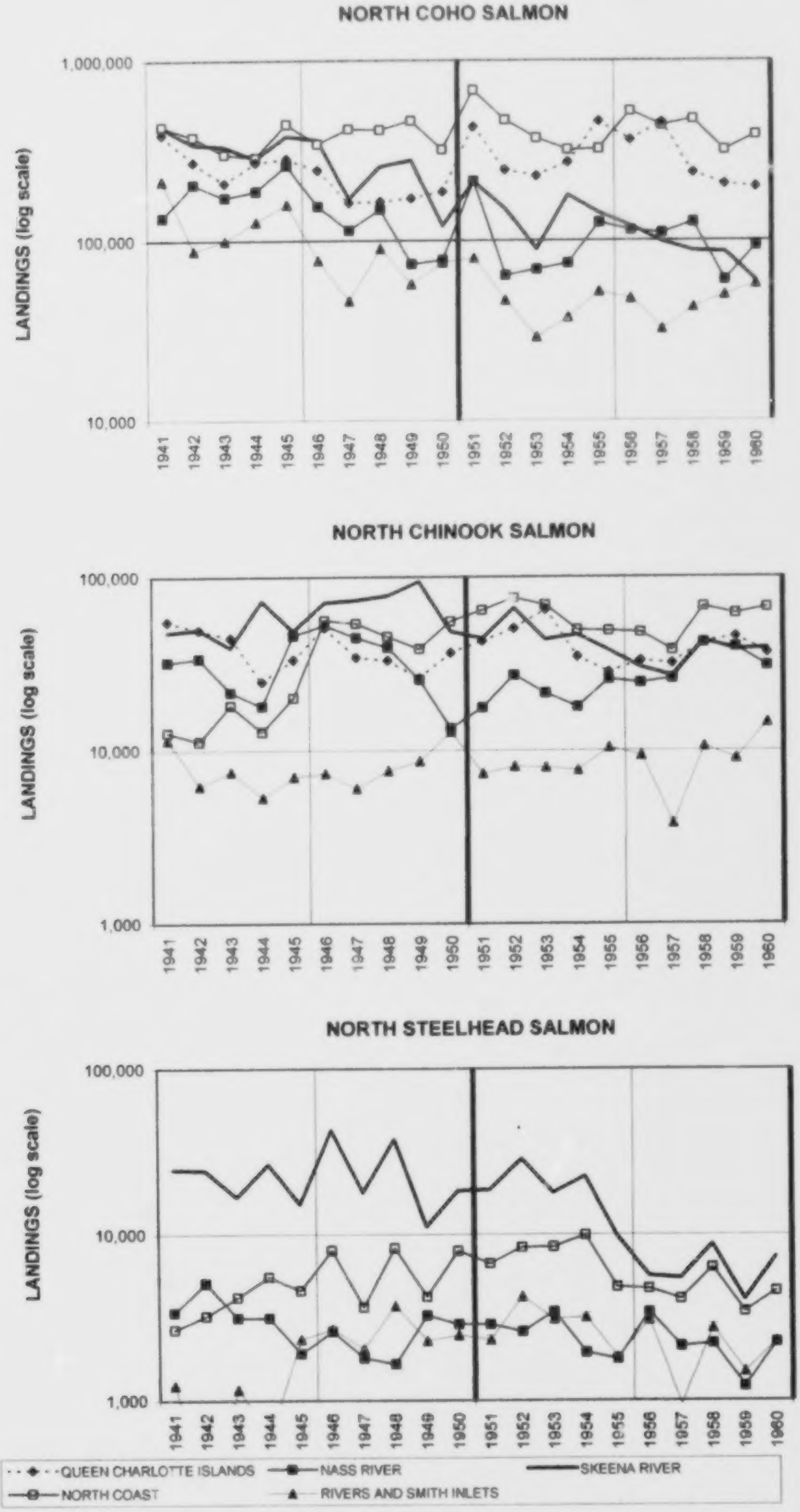
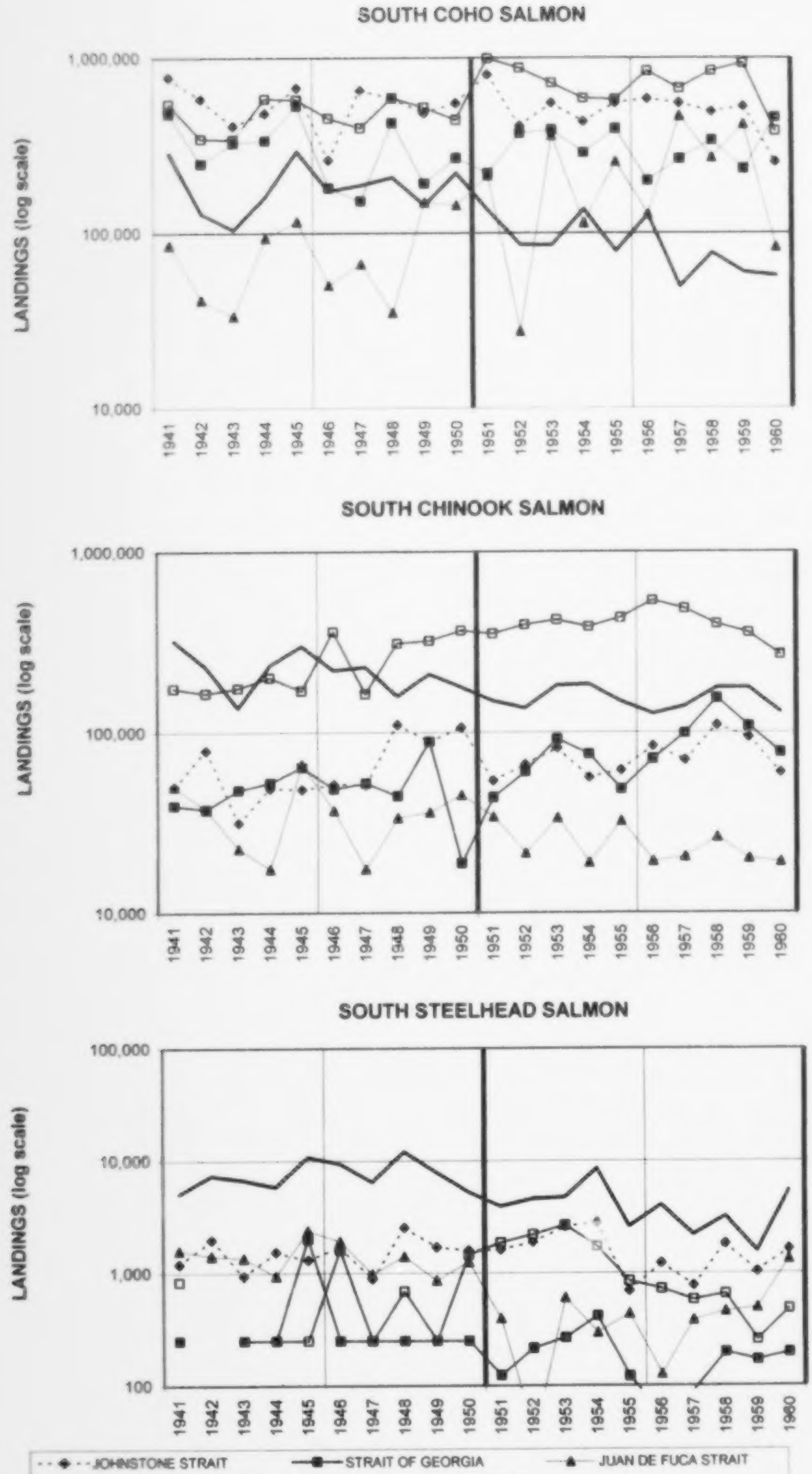


Figure 35. Annual landings (log scale) of coho, chinook and steelhead salmon in numbers of fish for northern areas for ten years before and after the sales slip statistical system was introduced in 1951.


SOUTH COHO SALMON

SOUTH CHINOOK SALMON

SOUTH STEELHEAD SALMON

Figure 36. Annual landings (log scale) of coho, chinook and steelhead salmon in numbers of fish for southern areas for ten years before and after the sales slip statistical system was introduced in 1951.

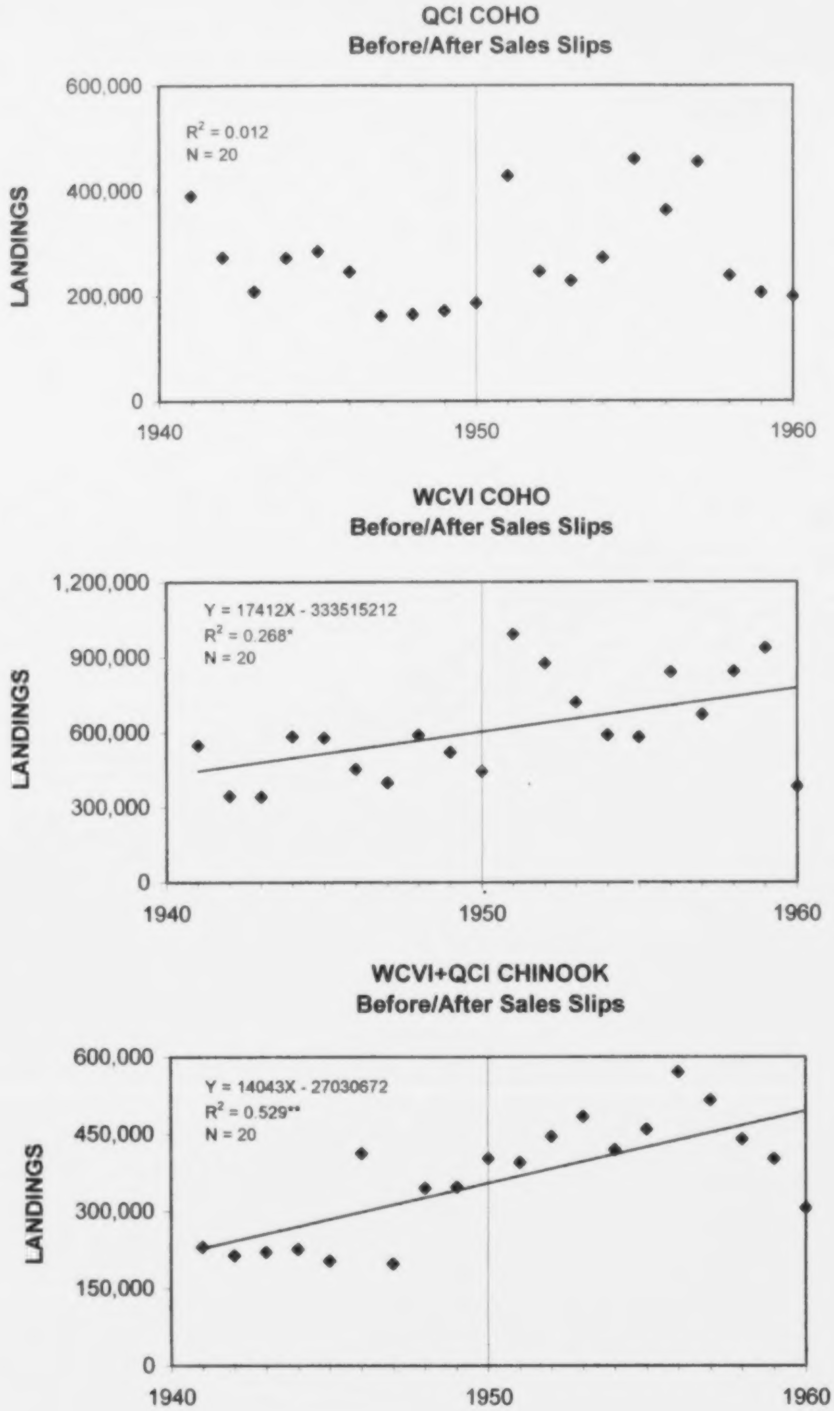
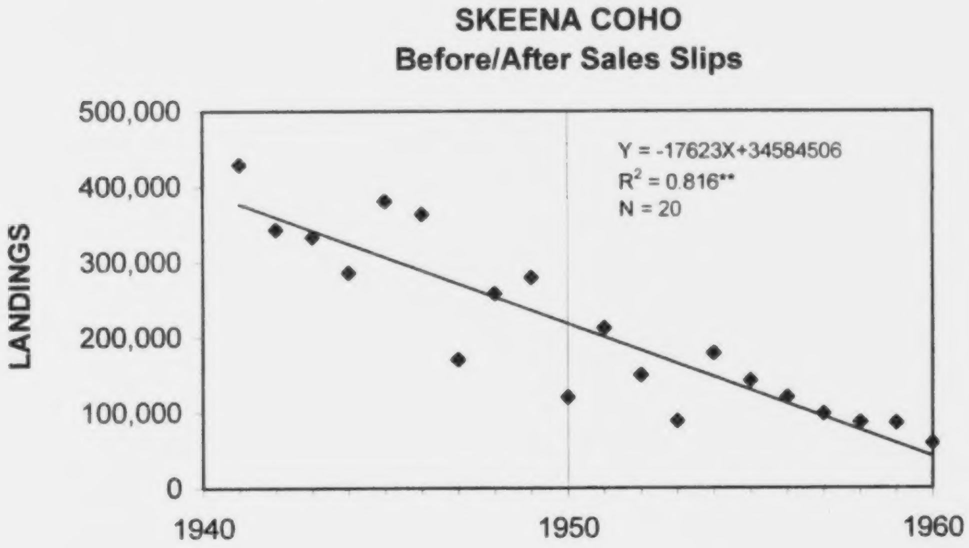


Figure 37. Annual west coast of Vancouver Island (WCVI) and Queen Charlotte Islands (QCI) landings of coho and chinook salmon in numbers of fish for ten years before and after the sales slip statistical system was introduced in 1951. Regressions significant at $p<0.05$ and $p<0.01$.



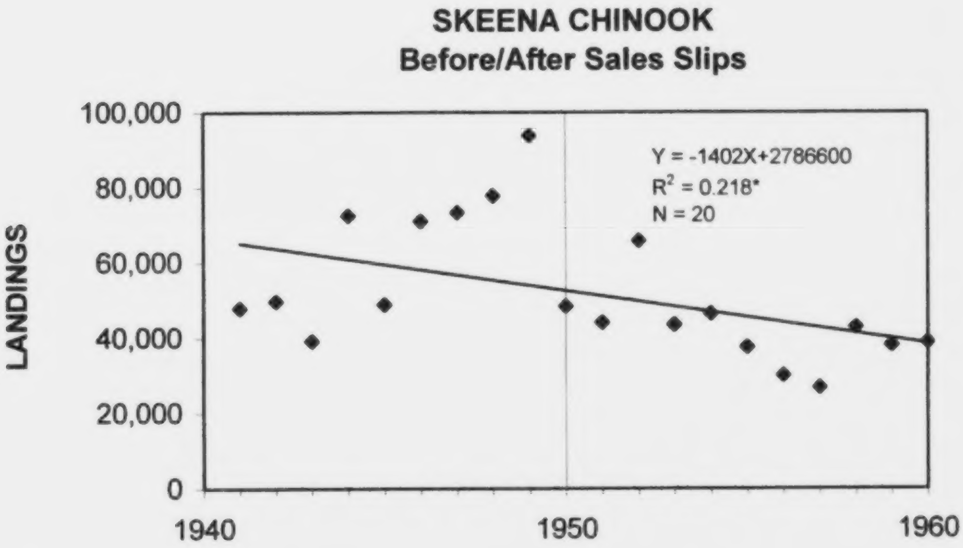
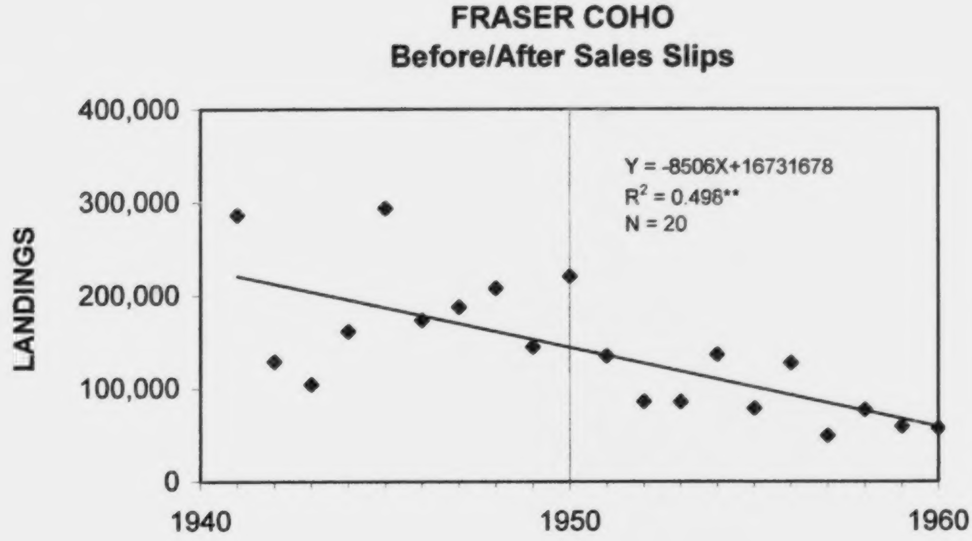


Figure 38. Annual Skeena River landings of coho and chinook salmon in numbers of fish for ten years before and after the sales slip statistical system was introduced in 1951. Regressions significant at $p<0.01$ and $p<0.05$.



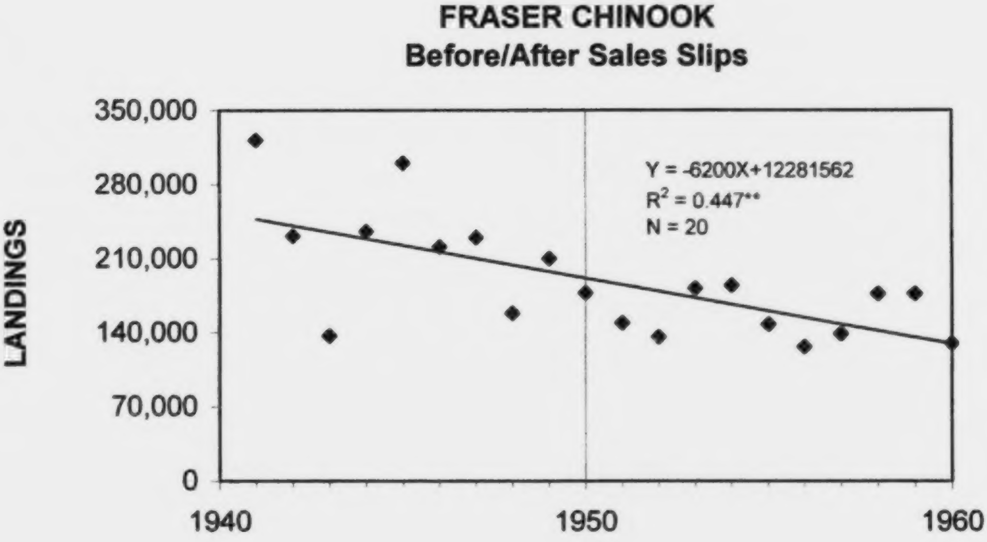
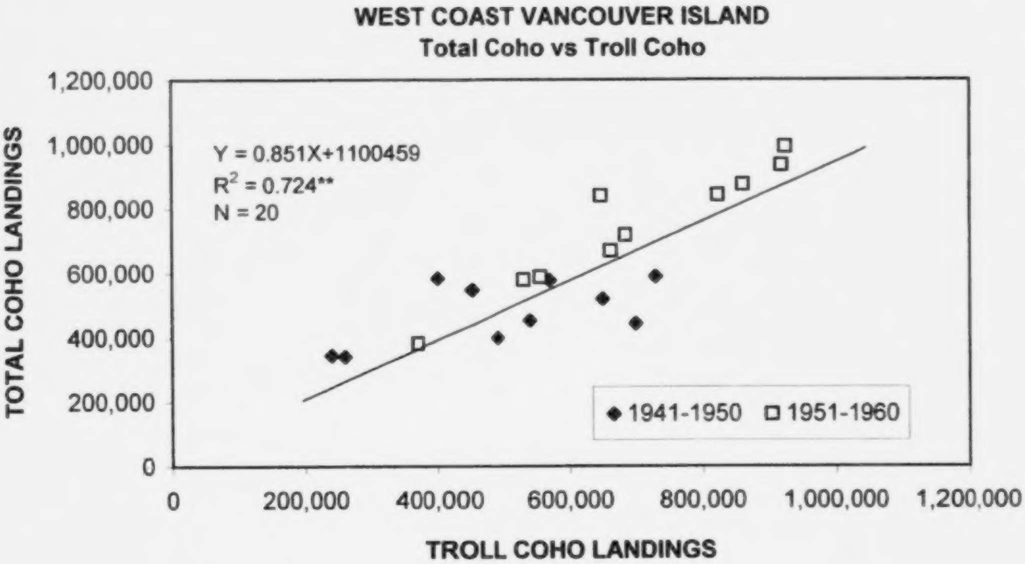


Figure 39. Annual Fraser River landings of coho and chinook salmon in numbers of fish for ten years before and after the sales slip statistical system was introduced in 1951. Regressions significant at $p<0.01$.



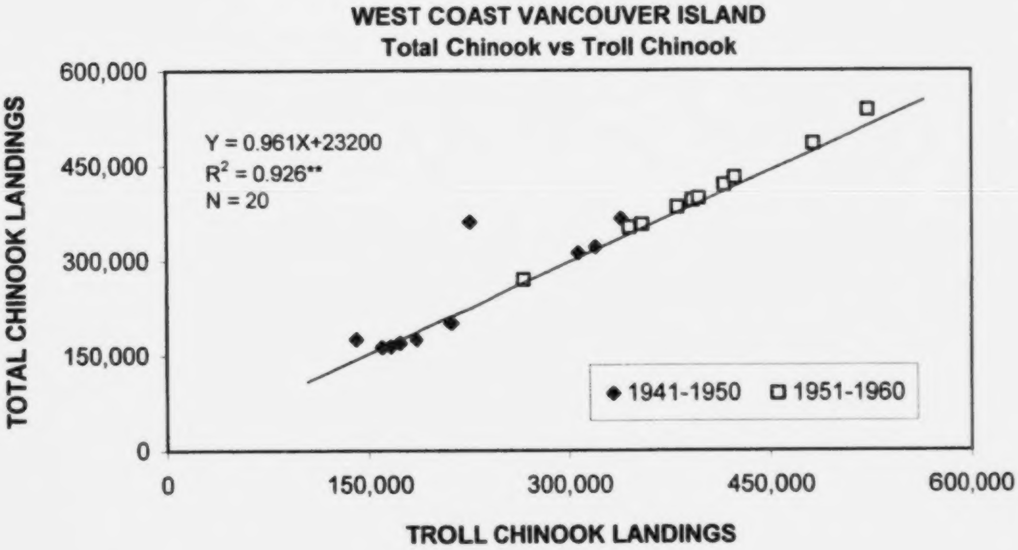


Figure 40. Relationship between west coast Vancouver Island (WCVI) coho and chinook landings in numbers of fish from this report (all gears) and WCVI troll landings reported in Milne (1964) for 1941-1950 and in Argue *et al.* (1987) for 1951-1960. Regressions significant at $p<0.01$.

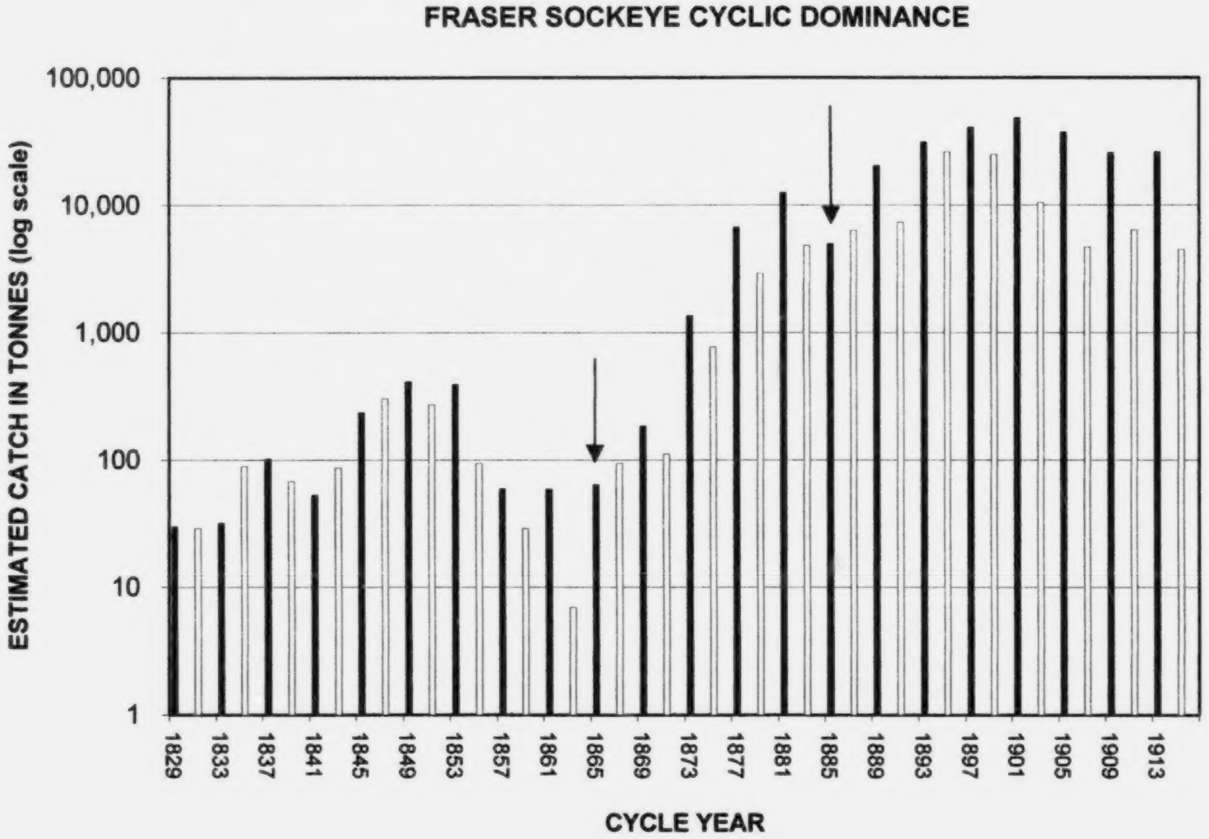
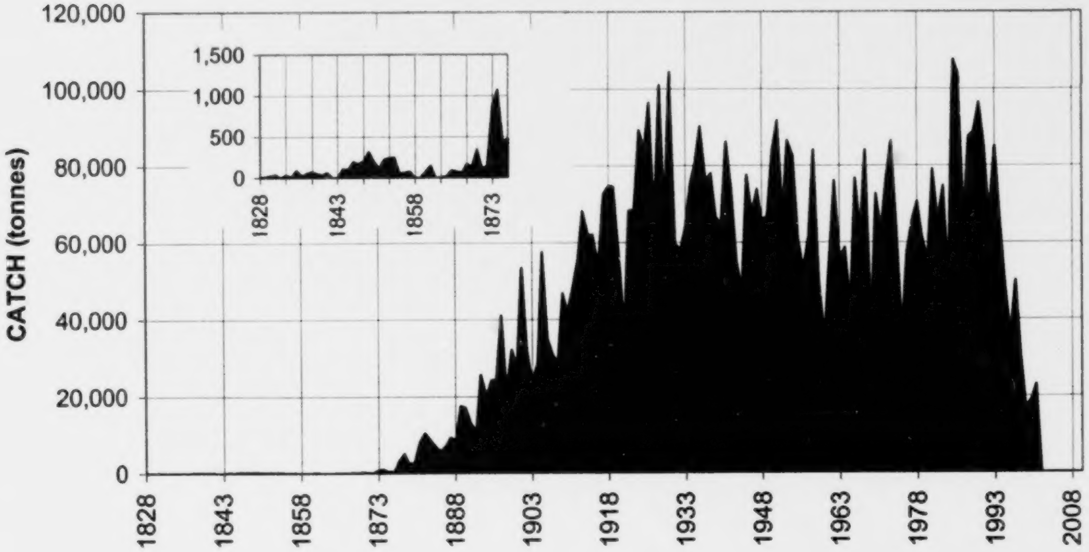


Figure 41. Evidence for Fraser River sockeye cyclic dominance of the 1901 brood year and 1902 subdominant year prior to 1915. Sum of the 1901 cycle year and 1902 subdominant year are the solid bars; clear bars are the sum of the two off years. Arrows identify cycles between 1849 and 1913 when dominant/subdominant landings were less than those in the off-years. Very small landings prior to 1849 do not suggest cyclic dominance.

BRITISH COLUMBIA SALMON CATCH
annual values



BRITISH COLUMBIA SALMON CATCH
cumulative five year moving means

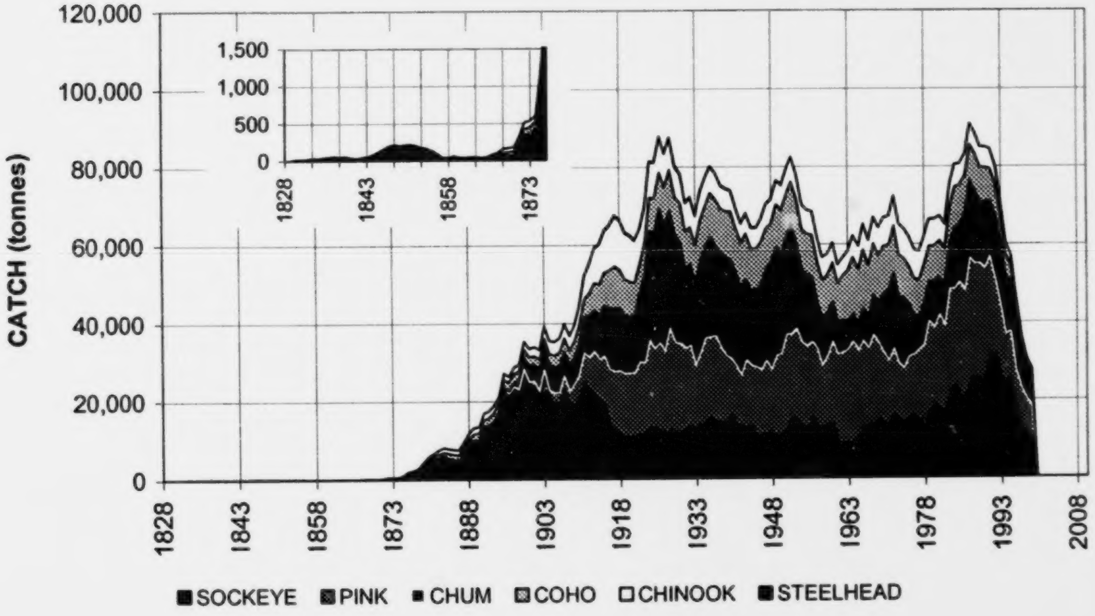
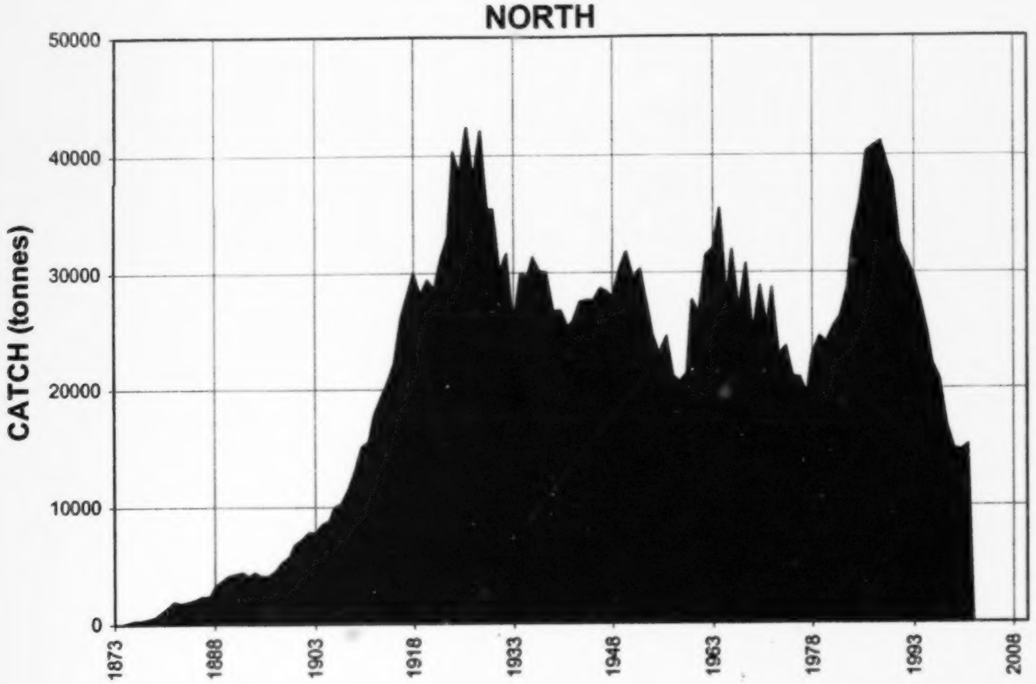


Figure 42. Annual total British Columbia catch of salmon in tonnes, 1828 to 2001 in the top graph, and cumulated by species and presented as a five year moving average centred on the third year in the lower graph (steelhead indistinguishable). Insert graphs show early years.



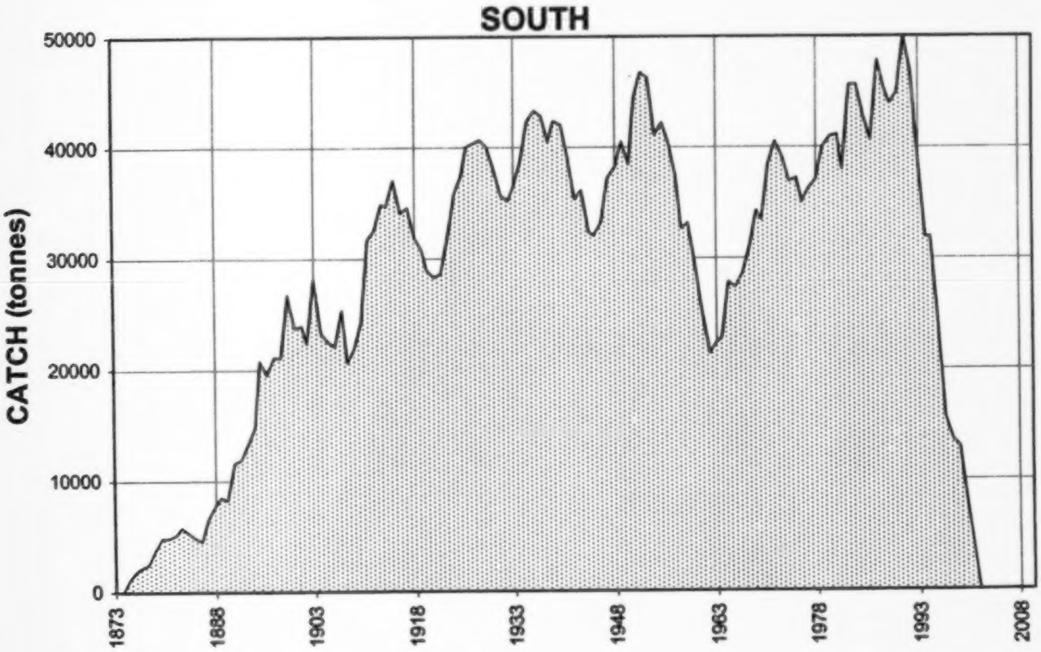


Figure 43. Annual British Columbia catch of all salmon species, 1873 to 2001. Catches are for areas north and south of Cape Caution. Catches cumulated by species and presented as a five year moving average centred on the third year in the lower graph.

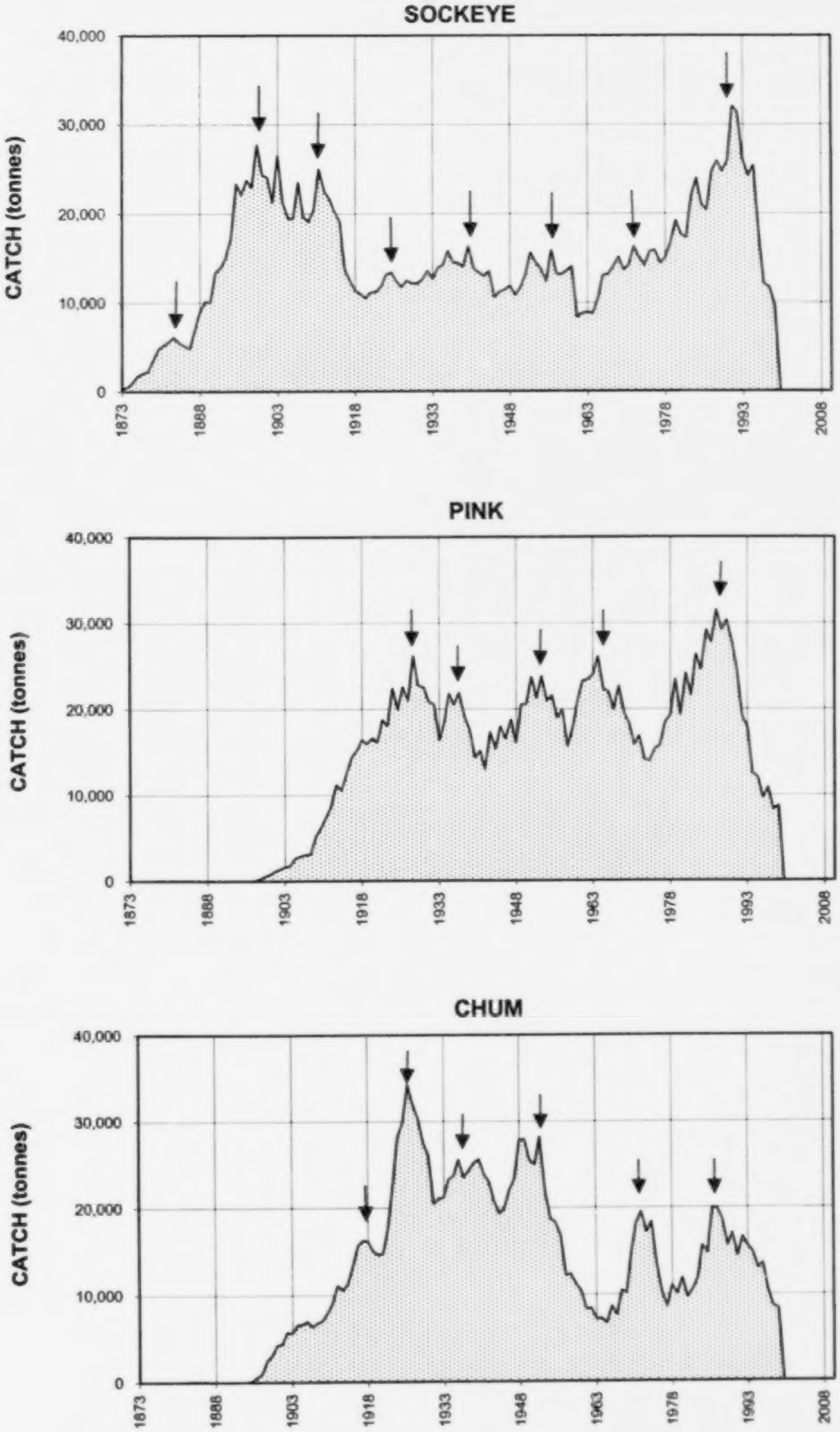


Figure 44. Annual British Columbia catch of sockeye, pink and chum salmon, 1873 to 2001. Catch is presented as a five year moving average centred on the third year. Arrows represent our interpretation of peaks in harvest.

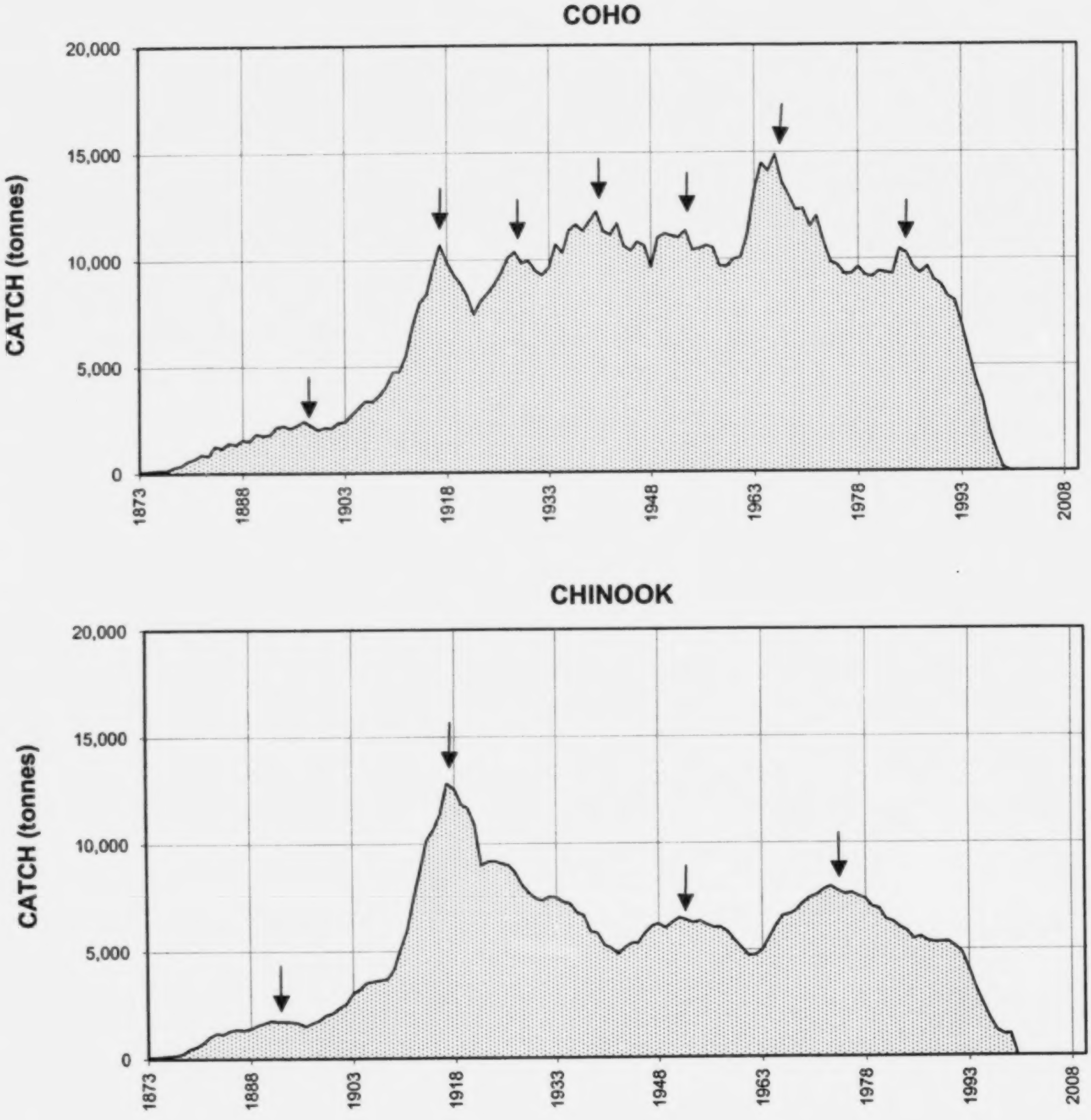


Figure 45. Annual British Columbia catch of coho and chinook salmon, 1873 to 2001. Catch is presented as a five year moving average centred on the third year. Arrows represent our interpretation of peaks in harvest.

Table 1. Factors used to convert canned packs and products to green landed weight (GLW).[a]

Product	Original Unit	Conversion Factor	Equivalent GLW (lb)	Equivalent GLW (kg)
Canned	Box, 1871 (48 lb)	1.75	84	38.10
	Case, before 1874 (100 lb)	1.75	175	79.38
	Case, 1874-1938 (48 lb)	1.75	84	38.10
	Case, 1939-1944 (48 lb)	1.67	80	36.29
	Case, since 1944 (48 lb)	1.56	75	34.02
Pickled	HBC Hogshead, 1835 only (250 lb)	1.50	375	170.10
	HBC Tierce, 1828-1835 (360 lb)	1.50	540	244.94
	HBC Barrel, 1830-1871 (180 lb)	1.50	270	122.47
	DMF Barrel, 1861 onward (200 lb)	1.50	300	136.08
	DMF Package (200 lb)	1.50	300	136.08
	DMF 1/2 Barrel (100 lb)	1.50	150	68.04
	DMF kit (50 lb)	1.50	75	34.02
	DMF Pound	1.50	1.5	0.6804
Mild Cured	Tierce, 1906-1907 (750 lb)	1.50	1125	510.29
	Tierce, 1908-1909 (760 lb)	1.50	1140	517.09
	Tierce, since 1909 (800 lb)	1.50	1200	544.31
	Pound	1.50	1.5	0.6804
Dry Salted	Pound	1.25	1.25	0.5670
Smoked	Pound	1.70	1.7	0.7711
Fresh/Frozen	Pound	1.00	1.0	0.4536
Bait	Pound	1.00	1.0	0.4536

a. Source: Appendix D, Table D8.

Table 2. Species composition of canned salmon packs from 1901 to 1903 that were used to estimate species composition of canned packs prior to 1901.[a]

Year	Pack (cases)			Species Composition (%)		
	Sockeye	Coho	Chinook	Sockeye	Coho	Chinook
NASS RIVER						
1901	13,604	0	1,400	90.67	0.00	9.33
1902	20,482	1,315	1,415	88.24	5.67	6.10
1903	11,370	5,127	1,597	62.84	28.34	8.83
			Average	80.58	11.33	8.08
SKEENA RIVER						
1901	81,209	4,155	22,019	75.63	3.87	20.51
1902	118,590	4,215	15,361	85.83	3.05	11.12
1903	51,023	11,292	17,795	63.69	14.10	22.21
			Average	75.05	7.01	17.95
NORTH COAST						
1901	19,037	3,382	2,194	77.35	13.74	8.91
1902	19,538	8,445	128	69.50	30.04	0.46
1903	19,204	5,718	1,717	72.09	21.46	6.45
			Average	72.98	21.75	5.27
RIVERS AND SMITH INLETS						
1901	60,838	3,086	765	94.05	4.77	1.18
1902	74,019	958	493	98.08	1.27	0.65
1903	73,419	219	1,522	97.68	0.29	2.03
			Average	96.60	2.11	1.29
JOHNSTONE STRAIT						
1901	990	0	1,835	35.04	0.00	64.96
1902	1,772	1,780	0	49.89	50.11	0.00
1903	1,505	219	0	87.30	12.70	0.00
			Average	57.41	20.94	21.65
WEST COAST VANCOUVER ISLAND						
1901	3,728	810	123	79.98	17.38	2.64
1902	4,060	846	70	81.59	17.00	1.41
1903	7,340	840	638	83.24	9.53	7.24
			Average	81.60	14.64	3.76
FRASER RIVER[b]						
1901	-	17,043	885	-	95.06	4.94
1902	-	29,685	1,574	-	94.96	5.04
1903	-	25,733	2,013	-	92.74	7.26
			Average	-	94.26	5.74

a. Source: Appendix E, Table E2, part B.

b. Percentage composition of coho and chinook pack. See Section 2.1.1.2 of Appendix E.

Table 3. Average percentage species composition of products, 1923 to 1930.[a]

Species	Species Composition (%)						
	Dry Salted	Pickled	Fresh/Frozen		Smoked	Mild Cured	Bait
			Companies	Fishermen[b]			
		NORTH COAST (District II)					
Sockeye	0.00	0.00	0.06	NA	NA	0.00	0.00
Pink	0.56	13.25	2.54	NA	NA	0.00	95.37
Chum	99.44	0.00	17.52	NA	NA	0.00	0.00
Coho	0.00	30.34	36.68	NA	NA	3.43	0.00
Chinook	0.00	56.41	36.64	NA	NA	96.54	4.63
Steelhead	0.00	0.00	6.56	NA	NA	0.03	0.00
		SOUTH COAST (District III)					
Sockeye	0.00	0.00	0.12	0.08	0.00	0.00	0.00
Pink	0.45	0.00	8.38	0.51	0.00	0.00	3.50
Chum	99.28	58.94	44.33	5.08	0.00	0.00	93.06
Coho	0.01	4.82	16.59	38.69	0.00	6.36	2.84
Chinook	0.25	36.24	30.02	55.55	95.33	93.64	0.60
Steelhead	0.00	0.00	0.57	0.09	4.67	0.01	0.00
		FRASER RIVER (District I)					
Sockeye-odd	0.00	0.00	0.63	NA	0.00	0.00	NA
-even	0.00	0.00	0.04	NA	0.00	0.00	NA
Pink-odd	19.35	0.00	1.41	NA	0.00	5.98	NA
-even	0.10	0.00	0.11	NA	5.44	0.00	NA
Chum-odd	76.82	0.00	9.66	NA	0.00	0.00	NA
-even	99.90	0.00	13.37	NA	0.00	0.00	NA
Coho-odd	0.00	45.95	9.79	NA	0.00	9.09	NA
-even	0.00	51.72	16.73	NA	0.00	6.00	NA
Chinook-odd	3.83	54.05	77.54	NA	100.00	84.93	NA
-even	0.00	48.28	68.53	NA	94.56	94.00	NA
Stlhd-odd	0.00	0.00	0.98	NA	0.00	0.00	NA
-even	0.00	0.00	1.22	NA	0.00	0.00	NA
		GRAND TOTAL					
Sockeye	0.00	0.00	0.19	0.08	0.00	0.00	0.00
Pink	2.32	5.13	2.63	0.51	2.99	0.44	29.48
Chum	97.17	34.59	20.00	5.08	0.00	0.00	66.75
Coho	0.01	15.81	23.96	38.69	0.00	4.89	2.04
Chinook	0.51	44.47	49.04	55.55	96.73	94.65	1.74
Steelhead	0.00	0.00	4.18	0.09	0.28	0.02	0.00

a. Source: Section 3.0 of Appendix E.

b. Fresh/Frozen (fishermen) averaged over 1927 to 1930.

Table 4. Quantities of pickled salmon produced at Fort Langley, 1828-1873.[a]

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Production						Marketed				
Year	Tierces	Barrels	Half Barrels	Hogs-heads	Other	Total Weight (lb)	Amount Barrel Equivs.	Shipment Weight (lb)	Destination	Annual Total Weight (lb)	"Best Estimate" (lb)
1828	16					5,760	Probably all used locally				5,760 c
1829	50				50 fish	18,000					18,000 c
1830		200				36,000	N.A.	N.A.	N.A.	N.A.	36,000 c
1831		300				54,000	N.A.	N.A.	N.A.	N.A.	54,000 c
1833		220	100			48,600	270	48,600	Fort Vancouver	48,600	48,600 c
1834		30	55		b	10,350	58	10,350	Fort Vancouver	10,350	10,350 c
1835	24	605	112	5	b	126,780	719	129,420	Fort Vancouver	129,420	126,780 c
1836		200				36,000	200	36,000	Fort Vancouver	36,000	36,000 c
1837		450				81,000	350	63,000	Sandwich Is.	81,180	81,180 d
							9	1,620	Steamer Beaver		
							2	360	Ft. McLoughlin		
							80	14,400	Fort Vancouver		
							10	1,800	Fort Nisqually		
1838		597				107,460	587	105,660	Fort Vancouver	107,460	107,460 c
							10	1,800	Fort Nisqually		
1839		400				72,000	135	24,300	Fort Vancouver	28,980	72,000 c
							11	1,980	Steamer Beaver		
							15	2,700	Fort Nisqually		
1840		300			b	54,000	27	4,860	Fort Nisqually	50,220	54,000 c
							230	41,400	Fort Vancouver		
							22	3,960	Steamer Beaver		
1841		540				97,200	N.A.	N.A.		N.A.	97,200 c
1842		N.A.				N.A.	Shipment to Sandwich Is.; market glutted				N.A.
1843		N.A.				N.A.	Sandwich Is. market improved				N.A.
1844		890				160,200	340	61,200	Sandwich Is.	61,200	160,200 c
1845		800				144,000	460	82,800	Sandwich Is.	82,800	144,000 c
1846		1,600				288,000	1,530	275,400	Sandwich Is.	275,400	288,000 c
1847		1,385				249,300	Shipment made	N.A.	Unknown	N.A.	249,300 c
1848		1,703				306,540	500	90,000	Sandwich Is.	90,000	306,540 c
1849		2,610				469,800	Unknown #	N.A.	Sandwich Is.	N.A.	469,800 c

Table 4. Continued.

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
	Pickled Salmon Production						Market Data					
Year	Tierces	Barrels	Half Barrels	Hogs heads	Other	Total Weight (lb)	Amount Barrel Equivs	Shipment Weight (lb)	Destination	Annual Total Weight (lb)	"Best Estimate" (lb)	
1850		1,600				288,000	961	172,980	Sandwich Is.	172,980	288,000	c
1851		950				171,000	Unknown #	N.A.	Sandwich Is.	N.A.	171,000	c
1852		1,757	150			329,760	1,275	229,500	Sandwich Is.	229,500	329,760	c
							Unknown #	N.A.	San Francisco			
1853		2,000				360,000	751	135,180	Sandwich Is.	135,180	360,000	c
1854		2,000				360,000	Unknown #	N.A.	Sandwich Is.	23,400	360,000	c
							100	18,000	England			
							30	5,400	Tahiti			
1855		N.A.				N.A.	450	81,000	Sandwich Is.	81,000	81,000	d
1856		510				91,800	260	46,800	Sandwich Is.	46,800	91,800	c
1857		N.A.				N.A.	599	107,820	Sandwich Is.	107,820	107,820	d
1860		N.A.				N.A.	600	108,000	Sandwich Is.	108,000	108,000	d
1865		N.A.				N.A.	Unknown #	N.A.	Sandwich Is.	N.A.	N.A.	
1866		N.A.				N.A.	Unknown #	N.A.	Sandwich Is.	N.A.	N.A.	
1867		92				16,560	80	14,400	Sandwich Is.	14,400	16,560	c
							Unknown #	N.A.	Valparaiso			
1868	Product spoiled					0		0		0	0	c
1869		130				23,400	120	21,600	Sandwich Is.	21,600	23,400	c
1870		108	20			21,240	98	17,640	Sandwich Is.	17,640	21,240	c
1871		5	5			1,350	All for local use				1,350	c
1873	No market for Fort Langley salmon										0	c

a. Sources: 1828 and 1829, Shepard and Argue (1989). 1830-1873, Cullen (1979).

b. Dried salmon; 669 pieces to Fort Nisqually (1834), 600 pieces to Fort Simpson (1835) and, 1,500 pieces to Fort Nisqually (1840).

c. From production figures (Column VII).

d. From export figures (Column XI).

Table 5 Estimated total production and total exports of pickled and canned salmon in British Columbia, 1860-1875 as recorded in Government documents. Amounts are product weights.

I	II	III	IV	V	VI	VII
	Pickled			Canned		
Year	Production (lb)[a]	Exports (lb)[b]	"Best Estimate" (lb)	Production (lb)[c]	Exports (lb)[d]	"Best Estimate" (lb)
1860	NA	24,400	24,400[f]			
1861	217,000	6,600	217,000[e]			
1862	NA	NA	NA			
1863	NA	5,600	5,600[f]			
1864	NA	19,600	19,600[f]			
1865	NA	125,600	125,600[f]			
1866	NA	111,800	111,800[f]			
1867	NA	95,600	95,600[f]			
1868	NA	249,000	249,000[f]			
1869	NA	195,000	195,000[f]			
1870	NA	474,200	474,200[f]	30,000	NA	30,000[e]
1871	NA	113,800	113,800[f]	NA	50,208	50,208[f]
1872	NA	150,000	150,000[f]	NA	49,584	49,584[f]
1873	800,000	447,600	800,000[e]	436,800	212,848	436,800[e]
1874	524,800	277,400	524,800[e]	898,512	694,224	898,512[e]
1875	NA	181,400	181,400[f]	NA	407,984	407,984[f]

a. From Shepard and Argue (1989), Table 5, column II.

b. Ibid., Table 9, column II.

c. Ibid., Table 5, column V.

d. Ibid., Table 9, column V.

e. From production statistics (Columns II and V).

f. From export statistics (Columns III and VI).

NA statistics not available

Table 6. Estimation of product weights of salmon pickled and canned for trade in British Columbia, 1828-1875. Amounts are product weights.

I	II	III	IV	V	VI
	Pickled				**Canned**
Year	**Hudson's Bay Data (lb)**[a]	**"Industry" Data (lb)**[b]	**"Best Estimate" (lb)**		**"Best Estimate" (lb)**[c]
1828	5,760	-	5,760	d	-
1829	18,000	-	18,000	d	-
1830	36,000	-	36,000	d	-
1831	54,000	-	54,000	d	-
1833	48,600	-	48,600	d	-
1834	10,350	-	10,350	d	-
1835	129,420	-	129,420	d	-
1836	36,000	-	36,000	d	-
1837	81,180	-	81,180	d	-
1838	107,460	-	107,460	d	-
1839	72,000	-	72,000	d	-
1840	54,000	-	54,000	d	-
1841	97,200	-	97,200	d	-
1844	160,200	-	160,200	d	-
1845	144,000	-	144,000	d	-
1846	288,000	-	288,000	d	-
1847	249,300	-	249,300	d	-
1848	306,540	-	306,540	d	-
1849	469,800	-	469,800	d	-
1850	288,000	-	288,000	d	-
1851	171,000	-	171,000	d	-
1852	329,760	-	329,760	d	-
1853	360,000	-	360,000	d	-
1854	360,000	-	360,000	b	-
1855	81,000	-	81,000	d	-
1856	91,800	-	91,800	d	-
1857	107,820	-	107,820	d	-
1860	108,000	24,400	108,000	d	-
1861	N.A.	217,000	217,000	e	-
1863	N.A.	5,600	5,600	e	-
1864	N.A.	19,600	19,600	e	-
1865	N.A.	125,600	125,600	e	-
1866	N.A.	111,800	111,800	e	-
1867	16,560	95,600	95,600	e	-
1868	0	249,000	249,000	e	-
1869	23,400	195,000	195,000	e	-
1870	21,240	474,200	474,200	e	30,000
1871	1,350	113,800	113,800	e	50,208
1872	N.A.	150,000	150,000	e	49,584
1873	0	800,000	800,000	e	436,800
1874	0	524,800	524,800	e	898,512
1875	0	181,400	181,400	e	407,984

a. From Table 4, column XII.

b. From Table 5, column IV.

c. From Table 5, column VII.

d. From HBC data, column II

e. From "Industry" data, column III

N.A. statistics not available.

Table 7. Queen Charlotte Islands pack of canned salmon and steelhead with estimates of equivalent landed weight, 1901 to 1929.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1901	400	-	-	-	-	-	400	1.0000	15	-	-	-	-	-	15
1902	22	-	-	-	-	-	22	1.0000	1	-	-	-	-	-	1
1903	300	-	-	-	-	-	300	1.0000	11	-	-	-	-	-	11
1904	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1905	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1906	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1907	177	-	-	827	-	-	1,004	1.0000	7	-	-	32	-	-	39
1908	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1909	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1910	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1911	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1912	-	32,592	-	4,074	-	-	36,666	0.4909	-	1,242	-	155	-	-	1,397
1913	97	1,983	-	-	-	-	2,080	0.8577	4	76	-	-	-	-	80
1914	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1915	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1916	-	28,509	32,155	413	3,004	-	64,081	0.5905	-	1,086	1,225	16	114	-	2,441
1917	-	1,190	20,262	603	2,109	-	24,164	0.9798	-	45	772	23	80	-	920
1918	-	63,725	50,369	1,471	4,014	-	119,579	0.6702	-	2,428	1,919	56	153	-	4,556
1919	-	1,027	40,202	101	5,275	-	46,605	0.6222	-	39	1,532	4	201	-	1,776
1920	-	58,474	1,664	-	7,746	-	67,884	0.2152	-	2,228	63	-	295	-	2,586
1921	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1922	-	60,033	60,192	-	-	-	120,225	0.2502	-	2,287	2,293	-	-	-	4,580
1923	-	850	27,643	-	-	-	28,493	0.3906	-	32	1,053	-	-	-	1,085
1924	86	148,581	40,486	6,630	-	-	195,783	1.0208	3	5,661	1,543	253	-	-	7,460
1925	38	2,640	76,023	2,157	283	-	81,141	0.9999	1	101	2,897	82	11	-	3,092

Table 7. Continued.

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1926	708	200,511	168,318	3,716	560	-	373,813	1.0000	27	7,640	6,413	142	21	-	14,243
1927	384	321	119,498	5,655	2,412	-	128,270	0.8567	15	12	4,553	215	92	-	4,887
1928	38	167,217	72,447	7,619	436	-	247,757	1.0000	1	6,371	2,760	290	17	-	9,439
1929	-	880	13,801	2,243	-	-	16,924	1.0000	-	34	526	85	-	-	645

a. Total pack from DMF and DBS annual reports allocated to species using species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 8. Nass River pack of canned salmon and steelhead with estimates of equivalent landed weight, 1881 to 1929.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1881	6,205	-	-	872	622	-	7,699		236	-	-	33	24	-	293
1882	12,973	-	-	1,824	1,301	-	16,098		494	-	-	70	50	-	614
1883	16,425	-	-	2,309	1,647	-	20,381		626	-	-	88	63	-	777
1884	6,849	-	-	963	687	-	8,499		261	-	-	37	26	-	324
1885	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1886	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1887	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1888	9,926	-	-	1,396	995	-	12,317		378	-	-	53	38	-	469
1889	15,955	-	-	2,243	1,600	-	19,798		608	-	-	85	61	-	754
1890	19,903	-	-	2,799	1,996	-	24,698		758	-	-	107	76	-	941
1891	8,911	-	-	1,253	893	-	11,057		340	-	-	48	34	-	422
1892	21,031	-	-	2,957	2,109	-	26,097		801	-	-	113	80	-	994
1893	12,635	-	-	1,777	1,267	-	15,679		481	-	-	68	48	-	597
1894	16,116	-	-	2,266	1,616	-	19,998		614	-	-	86	62	-	762
1895	16,552	-	-	2,327	1,660	-	20,539		631	-	-	89	63	-	783
1896	11,804	-	-	1,660	1,184	-	14,648		450	-	-	63	45	-	558
1897	16,116	-	-	2,266	1,616	-	19,998		614	-	-	86	62	-	762
1898	16,116	-	-	2,266	1,616	-	19,998		614	-	-	86	62	-	762
1899	15,666	-	-	2,203	1,571	-	19,440		597	-	-	84	60	-	741
1900	16,277	-	-	2,289	1,632	-	20,198		620	-	-	87	62	-	769
1901	13,604	-	-	-	1,400	-	15,004	1.0000	518	-	-	-	53	-	571
1902	20,482	-	-	1,315	1,415	-	23,212	1.0000	780	-	-	50	54	-	884
1903	11,370	-	-	5,127	1,597	-	18,094	1.0000	433	-	-	195	61	-	689
1904	23,095	656	-	2,939	2,897	-	29,587	1.0000	880	25	-	112	110	-	1,127
1905	24,462	1,840	-	3,083	3,340	-	32,725	1.0000	932	70	-	117	127	-	1,246

Table 8. Continued.

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1906	22,159	3,459	-	5,995	921	-	32,534	1.0003	844	132	-	228	35	-	1,239
1907	17,813	5,957	-	6,093	1,288	681	31,832	1.0000	679	227	-	232	49	26	1,213
1908	27,584	6,612	-	8,348	3,263	1,101	46,908	1.0000	1,051	252	-	318	124	42	1,787
1909	28,246	3,589	-	6,818	2,337	-	40,990	1.0000	1,076	137	-	260	89	-	1,562
1910	30,919	898	352	6,307	1,243	-	39,719	0.9965	1,178	34	13	240	47	-	1,512
1911	37,892	21,173	7,628	8,600	3,764	-	79,057	0.9987	1,444	807	291	328	143	-	3,013
1912	36,566	19,556	6,172	13,841	6,938	-	83,073	1.0000	1,393	745	235	527	264	-	3,164
1913	25,876	30,831	5,800	3,524	3,232	-	69,263	1.0000	986	1,175	221	134	123	-	2,639
1914	31,327	25,333	25,569	9,276	3,385	-	94,890	1.0000	1,194	965	974	353	129	-	3,615
1915	39,349	34,879	11,076	15,171	3,701	113	104,289	1.0000	1,499	1,329	422	578	141	4	3,973
1916	31,411	59,593	11,200	19,139	3,845	1,498	126,686	1.0000	1,197	2,271	427	729	147	57	4,828
1917	22,188	44,568	24,938	22,180	4,496	1,125	119,495	1.0000	845	1,698	950	845	171	43	4,552
1918	21,816	59,206	40,368	17,061	4,152	1,305	143,908	1.0000	831	2,256	1,538	650	158	50	5,483
1919	28,616	30,327	24,344	11,038	3,619	799	98,743	0.9875	1,090	1,156	928	421	138	30	3,763
1920	16,748	43,162	12,151	3,702	4,829	560	81,152	0.9995	638	1,645	463	141	184	21	3,092
1921	9,375	29,523	2,179	8,186	2,091	413	51,767	0.9988	357	1,125	83	312	80	16	1,973
1922	31,277	75,687	11,277	3,575	2,062	193	124,071	1.0000	1,192	2,884	430	136	79	7	4,728
1923	17,821	44,165	25,791	7,894	3,314	595	99,580	1.0000	679	1,683	983	301	126	23	3,795
1924	33,733	72,822	26,814	6,391	3,179	-	142,939	0.9955	1,285	2,775	1,022	244	121	-	5,447
1925	18,966	35,624	22,529	8,036	3,607	245	89,007	0.9989	723	1,357	858	306	137	9	3,390
1926	15,929	50,815	15,392	4,274	5,964	375	92,749	1.0000	607	1,936	586	163	227	14	3,533
1927	12,026	16,609	3,307	3,966	3,824	96	39,828	1.0000	458	633	126	151	146	4	1,518
1928	5,540	83,183	3,538	10,734	1,846	36	104,877	1.0000	211	3,169	135	409	70	1	3,995
1929	16,077	10,342	1,212	1,202	352	-	29,185	1.0000	613	394	46	46	13	-	1,112

a. Total pack from DMF and DBS annual reports, allocated to species using proportions in Table 2 for years prior to 1901, and allocated to species from 1901 to 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman. DMF omitted the pack for Pacific Northern Packing Co. in Observatory Inlet in 1903 and the pack of steelhead in 1907. These were added to the respective total Nass River packs in this table. The total pack at Wales Island was published by DMF under the North Coast District between 1911 and 1914; these packs are included in this table.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 9. Skeena River pack of canned salmon and steelhead with estimates of equivalent landed weight, 1877 to 1929.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1877	2,252	-	-	210	538	-	3,000		86	-	-	8	21	-	115
1878	6,379	-	-	596	1,526	-	8,501		243	-	-	23	58	-	324
1879	7,958	-	-	743	1,903	-	10,604		303	-	-	28	73	-	404
1880	14,780	-	-	1,381	3,535	-	19,696		563	-	-	53	135	-	751
1881	16,181	-	-	1,511	3,870	-	21,562		617	-	-	58	147	-	822
1882	22,156	-	-	2,069	5,299	-	29,524		844	-	-	79	202	-	1,125
1883	28,540	-	-	2,666	6,826	-	38,032		1,087	-	-	102	260	-	1,449
1884	47,700	-	-	4,455	11,409	-	63,564		1,817	-	-	170	435	-	2,422
1885	9,681	-	-	904	2,316	-	12,901		369	-	-	34	88	-	491
1886	34,438	-	-	3,217	8,237	-	45,892		1,312	-	-	123	314	-	1,749
1887	43,973	-	-	4,107	10,517	-	58,597		1,675	-	-	156	401	-	2,232
1888	52,615	-	-	4,914	12,584	-	70,113		2,005	-	-	187	479	-	2,671
1889	43,833	-	-	4,094	10,484	-	58,411		1,670	-	-	156	399	-	2,225
1890	68,780	-	-	6,424	16,450	-	91,654		2,621	-	-	245	627	-	3,493
1891	57,831	-	-	5,402	13,832	-	77,065		2,203	-	-	206	527	-	2,936
1892	68,108	-	-	6,362	16,290	-	90,760		2,595	-	-	242	621	-	3,458
1893	44,295	-	-	4,137	10,594	-	59,026		1,688	-	-	158	404	-	2,250
1894	45,784	-	-	4,276	10,950	-	61,010		1,744	-	-	163	417	-	2,324
1895	50,808	-	-	4,746	12,152	-	67,706		1,936	-	-	181	463	-	2,580
1896	73,445	-	-	6,860	17,566	-	97,871		2,798	-	-	261	669	-	3,728
1897	46,028	-	-	4,299	11,009	-	61,336		1,754	-	-	164	419	-	2,337
1898	60,117	-	-	5,615	14,378	-	80,110		2,291	-	-	214	548	-	3,053
1899	84,478	-	-	7,891	20,205	-	112,574		3,219	-	-	301	770	-	4,290
1900	101,636	-	-	9,493	24,309	-	135,438		3,872	-	-	362	926	-	5,160
1901	81,209	18,462	-	4,155	22,019	-	125,845	1.0000	3,094	703	-	158	839	-	4,794
1902	118,590	17,770	-	4,215	15,361	-	155,936	1.0000	4,518	677	-	161	585	-	5,941
1903	51,023	18,398	-	11,292	17,975	-	98,688	1.0000	1,944	701	-	430	685	-	3,760
1904	93,409	30,531	-	10,307	20,622	-	154,869	1.0000	3,559	1,163	-	393	786	-	5,901

Table 9. Continued

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1905	84,717	7,523	-	7,247	14,598	-	114,085	1.0000	3,228	287	-	276	556	-	4,347
1906	86,394	38,991	-	16,897	20,138	-	162,420	1.0003	3,292	1,486	-	644	767	-	6,189
1907	108,613	25,227	-	15,262	10,413	-	159,515	1.0000	4,138	961	-	582	397	-	6,078
1908	139,846	45,404	-	10,085	13,842	-	209,177	1.0000	5,328	1,730	-	384	527	-	7,969
1909	87,901	28,120	-	12,249	12,469	-	140,739	1.0000	3,349	1,071	-	467	475	-	5,362
1910	187,246	13,473	-	11,531	9,785	-	222,035	1.0000	7,134	513	-	439	373	-	8,459
1911	131,066	81,956	70	23,376	17,942	-	254,410	1.0000	4,994	3,123	3	891	684	-	9,695
1912	92,498	97,588	504	39,628	23,833	207	254,258	1.0000	3,524	3,718	19	1,510	908	8	9,687
1913	52,927	66,045	-	18,647	26,436	-	164,055	1.0000	2,017	2,516	-	710	1,007	-	6,250
1914	130,166	71,021	8,329	16,378	11,740	-	237,634	1.0000	4,960	2,706	317	624	447	-	9,054
1915	116,401	107,438	5,761	32,512	15,253	1,796	279,161	1.0010	4,435	4,094	220	1,239	581	68	10,637
1916	60,923	73,029	17,121	47,409	20,933	3,743	223,158	1.0000	2,321	2,783	652	1,806	798	143	8,503
1917	65,760	148,319	21,516	38,456	16,285	1,883	292,219	1.0000	2,506	5,651	820	1,465	620	72	11,134
1918	123,340	161,751	22,576	38,765	22,844	4,995	374,271	1.0000	4,699	6,163	860	1,477	870	190	14,259
1919	184,948	117,305	31,458	36,560	25,941	2,672	398,884	0.9875	7,047	4,470	1,199	1,393	988	102	15,199
1920	89,548	178,645	3,855	18,166	42,952	1,225	334,391	0.9950	3,412	6,807	147	692	1,637	47	12,742
1921	40,862	123,985	1,985	44,862	21,683	496	233,873	1.0040	1,557	4,724	76	1,709	826	19	8,911
1922	80,601	229,499	19,773	19,776	11,591	841	362,081	1.2490	3,071	8,744	753	753	442	32	13,795
1923	131,731	145,973	16,527	31,967	12,247	418	338,863	1.0000	5,019	5,562	630	1,218	467	16	12,912
1924	144,865	181,461	25,614	26,990	12,038	214	391,182	0.9990	5,520	6,914	976	1,028	459	8	14,905
1925	81,148	130,082	74,309	39,169	23,445	713	348,866	1.0000	3,092	4,956	2,831	1,492	893	27	13,291
1926	82,358	210,076	63,526	30,207	20,594	754	407,515	1.0000	3,138	8,004	2,420	1,151	785	29	15,527
1927	84,011	38,775	19,009	26,331	19,011	582	187,719	1.0000	3,201	1,477	724	1,003	724	22	7,151
1928	34,633	209,389	17,754	30,259	6,434	242	298,711	0.9980	1,320	7,978	676	1,153	245	9	11,381
1929	78,016	95,304	4,908	37,677	4,324	13	220,242	1.0000	2,973	3,631	187	1,436	165	<0.5	8,392

a. Total pack from DMF and DBS annual reports, allocated to species using proportions in Table 2 for years prior to 1901, and allocated to species from 1901 to 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman. In DMF's Annual Report for 1903 the Skeena River and Rivers Inlet total canned packs were mistakenly switched; these have been corrected in this report.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table10. North Coast pack of canned salmon and steelhead with estimates of equivalent landed weight, 1890 to 1929.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1890	7,094	-	-	2,114	512	-	9,720		270	-	-	81	20	-	371
1891	8,215	-	-	2,448	593	-	11,256		313	-	-	93	23	-	429
1892	10,308	-	-	3,072	744	-	14,124		393	-	-	117	28	-	538
1893	14,337	-	-	4,273	1,035	-	19,645		546	-	-	163	39	-	748
1894	5,474	-	-	1,631	395	-	7,500		209	-	-	62	15	-	286
1895	8,509	-	-	2,536	614	-	11,659		324	-	-	97	23	-	444
1896	10,619	-	-	3,165	767	-	14,551		405	-	-	121	29	-	555
1897	8,904	-	-	2,654	643	-	12,201		339	-	-	101	24	-	464
1898	7,534	-	-	2,245	544	-	10,323		287	-	-	86	21	-	394
1899	12,801	-	-	3,815	924	-	17,540		488	-	-	145	35	-	668
1900	20,615	-	-	6,144	1,489	-	28,248		785	-	-	234	57	-	1,076
1901	19,037	5,038	-	3,382	2,194	-	29,651	1.0000	725	192	-	129	84	-	1,130
1902	19,538	775	-	8,445	128	-	28,886	1.0000	744	30	-	322	5	-	1,101
1903	19,204	5,265	-	5,718	1,717	-	31,904	1.0000	732	201	-	218	65	-	1,216
1904	24,370	-	-	8,250	1,005	-	33,625	0.9994	929	-	-	314	38	-	1,281
1905	28,340	48	-	2,012	1,575	-	31,975	1.0000	1,080	2	-	77	60	-	1,219
1906	22,331	2,660	-	8,315	1,037	-	34,343	1.0000	851	101	-	317	40	-	1,309
1907	15,346	3,754	-	10,975	2,009	-	32,084	1.0000	585	143	-	418	77	-	1,223
1908	26,723	4,775	-	13,887	1,841	-	47,226	1.0000	1,018	182	-	529	70	-	1,799
1909	25,597	4,568	-	12,771	1,718	-	44,654	1.0000	975	174	-	487	65	-	1,701
1910	47,388	6,315	-	8,650	320	-	62,673	0.3932	1,806	241	-	330	12	-	2,389
1911	26,226	27,097	7,737	12,089	1,570	-	74,719	0.4605	999	1,032	295	461	60	-	2,847
1912	25,083	54,180	25,053	22,956	3,300	-	130,572	0.6376	956	2,064	955	875	126	-	4,976
1913	21,490	42,130	14,545	11,638	1,308	-	91,111	0.7923	819	1,605	554	443	50	-	3,471
1914	33,459	51,856	48,628	22,020	2,108	-	158,071	0.5746	1,275	1,976	1,853	839	80	-	6,023

Table 10. Continued.

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1915	20,263	54,398	21,242	16,411	626	1,329	114,269	0.7376	772	2,073	809	625	24	51	4,354
1916	14,205	47,825	92,953	28,160	1,299	1,000	185,442	0.7119	541	1,822	3,542	1,073	49	38	7,065
1917	18,478	100,509	97,792	24,424	1,182	1,106	243,491	0.6530	704	3,830	3,726	931	45	42	9,278
1918	27,057	102,665	66,108	30,719	945	1,224	228,718	0.6791	1,031	3,912	2,519	1,170	36	47	8,715
1919	19,923	78,068	113,356	18,695	1,606	1,121	232,769	0.6108	759	2,975	4,319	712	61	43	8,869
1920	27,997	149,124	36,208	15,006	5,174	783	234,292	0.6555	1,067	5,682	1,380	572	197	30	8,928
1921	13,941	14,981	21,804	14,712	4,467	208	70,113	0.9820	531	571	831	561	170	8	2,672
1922	26,651	77,499	69,604	23,414	4,423	409	202,000	1.0000	1,015	2,953	2,652	892	169	16	7,697
1923	27,783	105,583	121,081	22,578	3,110	959	281,094	0.7636	1,059	4,023	4,613	860	118	37	10,710
1924	35,097	98,749	182,377	16,000	4,035	499	336,757	0.9961	1,337	3,762	6,949	610	154	19	12,831
1925	60,639	88,352	199,108	22,960	4,559	854	376,472	0.9136	2,310	3,366	7,586	875	174	33	14,344
1926	44,264	147,713	163,722	36,036	2,071	982	394,788	0.9907	1,687	5,628	6,238	1,373	79	37	15,042
1927	29,729	34,226	100,587	31,271	5,081	868	201,762	0.5714	1,133	1,304	3,833	1,191	194	33	7,688
1928	23,390	233,826	247,044	39,032	1,270	575	545,137	1.0000	891	8,909	9,413	1,487	48	22	20,770
1929	32,997	113,188	82,939	41,900	965	561	272,550	0.9999	1,257	4,313	3,160	1,596	37	21	10,384

a. Total pack from DMF and DBS annual reports, allocated to species using proportions in Table 2 for years prior to 1901, and allocated to species from 1901 to 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman. The published total canned packs from 1902 to 1917 for the North (Northern) Coast District in DMF Annual Reports included the packs from canneries on the Queen Charlotte Islands, on Wales Island (Naas River area in this report), in Smith Inlet (Rivers and Smith Inlets area in this report) and in Johnstone Strait. These packs have been subtracted from totals in this table.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 11. Rivers Inlet and Smith Inlet pack of canned salmon and steelhead with estimates of equivalent landed weight, 1882 to 1929.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1882	5,460	-	-	119	56	-	5,635		208	-	-	5	2	-	215
1883	21,103	-	-	460	218	-	21,781		804	-	-	18	8	-	830
1884	23,008	-	-	501	237	-	23,746		877	-	-	19	9	-	905
1885	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1886	14,534	-	-	317	150	-	15,001		554	-	-	12	6	-	572
1887	10,855	-	-	236	112	-	11,203		414	-	-	9	4	-	427
1888	19,378	-	-	422	200	-	20,000		738	-	-	16	8	-	762
1889	24,922	-	-	543	257	-	25,722		950	-	-	21	10	-	981
1890	32,458	-	-	707	335	-	33,500		1,237	-	-	27	13	-	1,277
1891	35,365	-	-	770	365	-	36,500		1,347	-	-	29	14	-	1,390
1892	14,489	-	-	316	150	-	14,955		552	-	-	12	6	-	570
1893	34,315	-	-	747	354	-	35,416		1,307	-	-	28	13	-	1,348
1894	38,912	-	-	847	402	-	40,161		1,483	-	-	32	15	-	1,530
1895	56,755	-	-	1,236	586	-	58,577		2,162	-	-	47	22	-	2,231
1896	104,131	-	-	2,268	1,075	-	107,474		3,968	-	-	86	41	-	4,095
1897	38,844	-	-	846	401	-	40,091		1,480	-	-	32	15	-	1,527
1898	102,085	-	-	2,223	1,054	-	105,362		3,890	-	-	85	40	-	4,015
1899	74,051	-	-	1,613	764	-	76,428		2,821	-	-	61	29	-	2,911
1900	71,889	-	-	1,566	742	-	74,197		2,739	-	-	60	28	-	2,827
1901	60,838	2,105	-	3,086	765	-	66,794	1.0000	2,318	80	-	118	29	-	2,545
1902	74,019	28	-	958	493	-	75,498	1.0000	2,820	1	-	37	19	-	2,877
1903	73,419	180	-	219	1,522	-	75,340	1.0000	2,797	7	-	8	58	-	2,870
1904	101,542	61	-	358	11	-	101,972	1.0000	3,869	2	-	14	<0.5	-	3,885
1905	90,713	-	-	-	351	-	91,064	1.0000	3,456	-	-	-	13	-	3,469
1906	132,628	-	-	66	181	-	132,875	1.0000	5,053	-	-	3	7	-	5,063

Table 11. Continued.

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1907	97,874	700	-	6,240	750	-	105,564	1.0000	3,729	27	-	238	29	-	4,023
1908	74,452	4,679	-	9,505	1,254	-	89,890	1.0000	2,837	178	-	362	48	-	3,425
1909	102,527	300	-	1,400	1,087	-	105,314	1.0000	3,906	11	-	53	41	-	4,011
1910	141,921	19	-	2,075	383	-	144,398	1.0000	5,407	1	-	79	15	-	5,502
1911	105,763	6,411	5,288	8,287	1,317	-	127,066	1.0000	4,030	244	201	316	50	-	4,841
1912	129,217	11,723	4,843	11,095	1,920	-	158,798	1.0000	4,923	447	185	423	73	-	6,051
1913	79,345	4,287	2,015	3,708	1,589	-	90,944	1.0000	3,023	163	77	141	61	-	3,465
1914	89,842	5,798	5,035	7,808	567	-	109,050	0.9975	3,423	221	192	297	22	-	4,155
1915	162,939	2,964	5,387	7,115	1,022	5	179,432	1.0000	6,208	113	205	271	39	<0.5	6,836
1916	59,275	4,705	26,572	20,201	1,876	-	112,629	0.7581	2,258	179	1,012	770	71	-	4,290
1917	73,046	9,627	19,219	10,891	975	-	113,758	0.8378	2,783	367	732	415	37	-	4,334
1918	64,376	35,613	8,112	14,555	1,699	-	124,355	0.8295	2,453	1,357	309	555	65	-	4,739
1919	75,618	8,788	9,529	12,148	1,987	3	108,073	0.7440	2,881	335	363	463	76	<0.5	4,118
1920	130,724	28,162	1,346	3,193	1,969	-	165,394	0.9107	4,981	1,073	51	122	75	-	6,302
1921	49,482	5,519	180	4,908	379	101	60,569	0.9612	1,885	210	7	187	14	4	2,307
1922	64,799	25,932	332	1,283	345	-	92,691	0.9367	2,469	988	13	49	13	-	3,532
1923	112,350	10,057	3,242	1,526	599	-	127,774	1.0000	4,281	383	124	58	23	-	4,869
1924	91,811	15,113	4,909	1,957	527	-	114,317	0.9994	3,498	576	187	75	20	-	4,356
1925	170,679	8,583	11,454	4,922	494	-	196,132	1.0049	6,503	327	436	188	19	-	7,473
1926	74,627	13,504	11,758	7,450	797	11	108,147	1.0000	2,843	515	448	284	30	<0.5	4,120
1927	87,236	1,392	3,697	5,043	949	17	98,334	1.0082	3,324	53	141	192	36	1	3,747
1928	89,751	16,045	3,469	1,054	724	12	111,055	1.0416	3,420	611	132	40	28	<0.5	4,231
1929	77,833	3,153	1,073	1,358	409	40	83,866	1.0271	2,966	120	41	52	16	2	3,197

a. Total pack from DMF and DBS annual reports, allocated to species using proportions in Table 2 for years prior to 1901, and allocated to species from 1901 to 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman. DMF included the pack of Smith Inlet canneries under the North (Northern) Coast District between 1902 and 1917; these packs have been switched to the Rivers Inlet/Smith Inlet area in this report. In the DMF Annual Report for 1903 the Rivers Inlet and Skeena River packs were inadvertently switched; these have been corrected in this report.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 12. Johnstone Strait pack of canned salmon and steelhead with estimates of equivalent landed weight, 1881 to 1932.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1881	3,158	-	-	1,152	1,191	-	5,501		120	-	-	44	45	-	209
1882	2,641	-	-	963	996	-	4,600		101	-	-	37	38	-	176
1883	3,674	-	-	1,340	1,386	-	6,400		140	-	-	51	53	-	244
1884	4,019	-	-	1,466	1,516	-	7,001		153	-	-	56	58	-	267
1885	3,445	-	-	1,256	1,299	-	6,000		131	-	-	48	49	-	228
1886	689	-	-	251	260	-	1,200		26	-	-	10	10	-	46
1887	2,411	-	-	879	909	-	4,199		92	-	-	34	35	-	161
1888	2,871	-	-	1,047	1,083	-	5,001		109	-	-	40	41	-	190
1889	4,112	-	-	1,500	1,551	-	7,163		157	-	-	57	59	-	273
1890	5,936	-	-	2,165	2,238	-	10,339		226	-	-	82	85	-	393
1891	373	-	-	136	141	-	650		14	-	-	5	5	-	24
1892	2,469	-	-	900	931	-	4,300		94	-	-	34	35	-	163
1893	2,128	-	-	776	803	-	3,707		81	-	-	30	31	-	142
1894	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1895	3,607	-	-	1,316	1,360	-	6,283		137	-	-	50	52	-	239
1896	1,641	-	-	598	619	-	2,858		63	-	-	23	24	-	110
1897	5,060	-	-	1,845	1,908	-	8,813		193	-	-	70	73	-	336
1898	4,701	-	-	1,715	1,773	-	8,189		179	-	-	65	68	-	312
1899	3,990	-	-	1,455	1,505	-	6,950		152	-	-	55	57	-	264
1900	5,454	-	-	1,989	2,057	-	9,500		208	-	-	76	78	-	362
1901	990	1,795	-	-	1,835	-	4,620	1.0000	38	68	-	-	70	-	176
1902	1,772	7,254	-	1,780	-	-	10,806	1.0000	68	276	-	68	-	-	412
1903	1,505	1,818	-	219	-	-	3,542	1.0000	57	69	-	8	-	-	134
1904	1,919	3,510	-	2,698	53	-	8,180	0.9413	73	134	-	103	2	-	312
1905	9,981	21	-	932	132	-	11,066	0.9349	380	1	-	36	5	-	422
1906	7,829	85	-	3,597	59	-	11,570	0.7963	298	3	-	137	2	-	440
1907	3,253	5,702	-	2,496	8	2	11,461	1.0000	124	217	-	95	<0.5	<0.5	436
1908	20,796	14,247	-	13,682	1,951	36	50,712	1.0000	792	543	-	521	74	1	1,931

Table 12. Continued

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1909	17,118	740	-	9,581	1,696	-	29,135	1.0000	652	28	-	365	65	-	1,110
1910	7,790	30,782	9,527	19,058	604	-	67,761	0.4388	297	1,173	363	726	23	-	2,582
1911	22,823	22,742	14,396	21,857	1,992	-	83,810	1.0000	870	867	549	833	76	-	3,195
1912	2,971	35,878	-	21,167	191	-	60,207	0.7706	113	1,367	-	806	7	-	2,293
1913	6,314	41,406	13,798	14,997	36	-	76,551	0.5480	241	1,578	526	571	1	-	2,917
1914	3,022	62,456	20,295	19,019	702	-	105,494	0.7494	115	2,380	773	725	27	-	4,020
1915	4,324	38,846	20,651	29,419	549	-	93,789	0.8054	165	1,480	787	1,121	21	-	3,574
1916	4,465	44,795	23,614	21,803	335	-	95,012	0.9234	170	1,707	900	831	13	-	3,621
1917	3,011	17,398	38,122	16,623	2,509	-	77,663	0.8907	115	663	1,453	633	96	-	2,960
1918	1,311	59,408	23,738	17,287	3,375	28	105,147	0.8163	50	2,264	904	659	129	1	4,007
1919	3,107	14,968	49,021	19,726	7,143	-	93,965	0.7833	118	570	1,868	752	272	-	3,580
1920	4,820	69,404	8,374	23,146	7,579	-	113,323	0.7649	184	2,644	319	882	289	-	4,318
1921	7,046	7,582	5,776	8,585	104	-	29,093	0.7949	268	289	220	327	4	-	1,108
1922	14,852	74,708	13,264	11,620	401	-	114,845	0.7104	566	2,846	505	443	15	-	4,375
1923	13,124	39,697	15,057	20,270	205	-	88,353	0.7870	500	1,513	574	772	8	-	3,367
1924	19,708	93,086	32,167	21,012	492	-	166,465	1.0000	751	3,547	1,226	801	19	-	6,344
1925	17,892	42,157	50,268	21,984	825	3	133,129	1.2356	682	1,606	1,915	838	31	<0.5	5,072
1926	26,584	98,847	33,178	26,264	1,879	4	186,756	0.8511	1,013	3,766	1,264	1,001	72	<0.5	7,116
1927	20,237	26,793	66,840	25,897	2,873	2	142,642	0.6290	771	1,021	2,547	987	109	<0.5	5,435
1928	6,225	64,395	34,021	21,086	1,257	-	126,984	0.6553	237	2,454	1,296	803	48	-	4,838
1929	7,954	54,211	26,954	27,909	160	3	117,191	0.5955	303	2,066	1,027	1,063	6	<0.5	4,465
1930	16,901	102,746	7,702	11,972	2,720	32	142,073	1.0000	644	3,915	293	456	104	1	5,413
1931	8,019	56,581	2,926	13,031	2,395	40	82,992	1.0000	306	2,156	111	497	91	2	3,163
1932	8,640	43,546	17,258	19,207	2,796	39	91,486	1.0000	329	1,659	658	732	107	1	3,486

a. Total pack from DMF and DBS annual reports, allocated to species using proportions in Table 2 for years prior to 1901, allocated to species from 1901 to 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman, and allocated to species from 1930 to 1932 using packs by species from Supplemental Schedules. DMF omitted the pack from Pidock Bros in 1904; it has been included here. Between 1907 and 1911 the packs from R.E. Gosse, Knight Inlet Canning Co., and A.B.C. Packing Co. were switched to this report's Johnstone Strait area from DMF's Georgia Strait areas.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 13. Strait of Georgia pack of canned salmon and steelhead with estimates of equivalent landed weight, 1906 to 1932.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1906	169	-	-	250	-	-	419	1.0000	6	-	-	10	-	-	16
1907	144	122	-	264	-	-	530	1.0000	5	5	-	10	-	-	20
1908	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1909	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1910	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1911	-	-	-	-	-	-	-		-	-	-	-	-	-	-
1912	150	5,725	9,016	180	3,576	-	18,647	1.0000	6	218	344	7	136	-	711
1913	12,262	5,816	2,885	-	-	-	20,963	0.8807	467	222	110	-	-	-	799
1914	8,403	-	20,727	560	-	-	29,690	0.1785	320	-	790	21	-	-	1,131
1915	1,600	-	-	-	-	-	1,600	0.7375	61	-	-	-	-	-	61
1916	2,425	2,510	15,720	9,192	349	-	30,196	1.0020	92	96	599	350	13	-	1,150
1917	1,420	11,441	68,068	7,043	1,782	36	89,790	1.0000	54	436	2,593	268	68	1	3,420
1918	179	8,588	100,801	9,866	1,080	-	120,514	0.6767	7	327	3,841	376	41	-	4,592
1919	2,741	12,030	15,358	7,144	1,542	-	38,815	1.0207	104	458	585	272	59	-	1,478
1920	15	1,357	28	621	165	-	2,186	1.0000	1	52	1	24	6	-	84
1921	69	76	-	3,012	-	-	3,157	1.0000	3	3	-	115	-	-	121
1922	916	2,954	30,184	3,696	-	-	37,750	1.0048	35	113	1,150	141	-	-	1,439
1923	37	2,919	38,230	664	-	-	41,850	1.0000	1	111	1,457	25	-	-	1,594
1924	37	11,994	47,716	2,004	-	-	61,751	1.0000	1	457	1,818	76	-	-	2,352
1925	1,977	18,988	17,576	6,879	255	-	45,675	0.9998	75	723	670	262	10	-	1,740
1926	1,033	18,740	19,250	9,429	1,054	-	49,506	0.6652	39	714	733	359	40	-	1,885
1927	2,591	10,126	10,047	8,345	774	-	31,883	0.5824	99	386	383	318	29	-	1,215

Table 13. Continued.

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1928	1,381	10,141	44,919	8,803	1,802	-	67,046	0.3962	53	386	1,711	335	69	-	2,554
1929	367	7,745	15,336	12,965	561	-	36,974	0.6153	14	295	584	494	21	-	1,408
1930	3,258	5,513	39,479	12,633	1,143	-	62,026	1.0000	124	210	1,504	481	44	-	2,363
1931	3,471	1,538	695	8,279	770	-	14,753	1.0000	132	59	26	315	29	-	561
1932	1,227	5,180	17,156	9,428	444	-	33,435	0.9996	47	197	654	359	17	-	1,274

a. Total pack from DMF and DBS annual reports, allocated to species from 1906 to 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman, and allocated to species from 1930 to 1932 using packs by species from Supplemental Schedules. DMF included the packs from R.E. Gosse, Knight Inlet Canning Co., and A.B.C. Packing Co. under Georgia Strait areas between 1907 and 1911. These canneries were situated north of Campbell River, on the mainland side of Johnstone Strait (as defined in this report) and so the packs were transferred to Johnstone Strait in this report.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 14. Juan de Fuca Strait pack of canned salmon and steelhead with estimates of equivalent landed weight, 1905 to 1932.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1905	26,463	-	-	4,037	-	-	30,500	0.9881	1,008	-	-	154	-	-	1,162
1906	4,220	2,400	-	5,592	1,500	-	13,712	1.0000	161	91	-	213	57	-	522
1907	2,802	8,949	-	8,835	3,939	-	24,525	1.0000	107	341	-	337	150	-	935
1908	11,448	-	-	9,072	2,721	-	23,241	1.0000	436	-	-	346	104	-	886
1909	44,071	6,837	-	6,510	-	-	57,418	0.9799	1,679	261	-	248	-	-	2,188
1910	17,387	-	283	7,176	-	-	24,846	1.0000	662	-	11	273	-	-	946
1911	4,330	18,400	-	7,300	-	-	30,030	1.0000	165	701	-	278	-	-	1,144
1912	15,154	-	36	7,646	2,664	-	25,500	0.9961	577	-	1	291	102	-	971
1913	45,368	11,173	-	4,412	16	-	60,969	1.1476	1,729	426	-	168	1	-	2,324
1914	12,700	215	100	4,865	3,024	-	20,904	1.0000	484	8	4	185	115	-	796
1915	2,169	10,120	394	9,757	10,069	-	32,509	0.9634	83	386	15	372	384	-	1,240
1916	4,766	-	742	6,769	8,815	-	21,092	0.9972	182	-	28	258	336	-	804
1917	32,024	21,914	183	7,843	6,076	-	68,040	0.7666	1,220	835	7	299	232	-	2,593
1918	2,039	216	17,969	3,970	3,806	-	28,000	1.3969	78	8	685	151	145	-	1,067
1919	5,309	20,068	3,368	17,395	5,991	-	52,131	1.1667	202	765	128	663	228	-	1,986
1920	3,846	121	4,488	6,966	7,956	-	23,377	0.9883	147	5	171	265	303	-	891
1921	3,731	4,633	1,172	5,903	319	-	15,758	1.0000	142	177	45	225	12	-	601
1922	3,088	183	22	5,666	2	-	8,961	1.0000	118	7	1	216	<0.5	-	342
1923	2,232	8,001	5,258	13,554	-	-	29,045	1.0000	85	305	200	516	-	-	1,106
1924	3,543	542	1,266	16,100	-	-	21,451	1.0000	135	21	48	613	-	-	817
1925	3,862	17,533	1,125	18,161	1,335	-	42,016	1.0000	147	668	43	692	51	-	1,601
1926	2,171	186	2,692	7,632	1,075	-	13,756	0.9634	83	7	103	291	41	-	525
1927	4,370	16,793	1,712	11,322	402	-	34,599	0.9992	167	640	65	431	15	-	1,318
1928	2,769	60	881	5,505	198	-	9,413	1.0000	106	2	34	210	8	-	360
1929	3,480	13,347	842	9,628	-	-	27,297	1.0000	133	509	32	367	-	-	1,041
1930	5,334	265	962	7,139	56	-	13,755	1.0000	203	10	37	272	2	-	524
1931	2,440	18,170	451	5,092	-	-	26,153	1.0000	93	692	17	194	-	-	996
1932	4,000	127	1,309	6,131	-	-	11,567	1.0001	152	5	50	234	-	-	441

a. Total pack from DMF and DBS annual reports, allocated to species from 1905 to 1929 using proportions from pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman, and from 1930 through 1932 using packs by species from Supplemental Schedules.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 15. West Coast of Vancouver Island pack of canned salmon and steelhead with estimates of equivalent landed weights, 1895 to 1932.[a]

Year	Canned Pack (cases)							Sample/ Total[b]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1895	2,693	-	-	483	124	-	3,300		103	-	-	18	5	-	126
1896	4,117	-	-	739	190	-	5,046		157	-	-	28	7	-	192
1897	4,076	-	-	731	188	-	4,995		155	-	-	28	7	-	190
1898	3,550	-	-	637	164	-	4,351		135	-	-	24	6	-	165
1899	4,243	-	-	761	196	-	5,200		162	-	-	29	7	-	198
1900	6,203	-	-	1,113	286	-	7,602		236	-	-	42	11	-	289
1901	3,728	-	1,324	810	123	-	5,985	1.0000	142	-	50	31	5	-	228
1902	4,060	-	628	846	70	-	5,604	1.0000	155	-	24	32	3	-	214
1903	7,340	-	-	840	638	-	8,818	1.0000	280	-	-	32	24	-	336
1904	6,331	-	-	1,086	1,335	-	8,752	1.0006	241	-	-	41	51	-	333
1905	4,900	1,235	-	409	2,865	-	9,409	1.0000	187	47	-	16	109	-	359
1906	6,747	5,236	-	330	2,497	-	14,810	1.0000	257	199	-	13	95	-	564
1907	5,279	3,444	-	1,197	3,397	-	13,317	1.1066	201	131	-	46	129	-	507
1908	3,736	1,571	-	1,208	3,450	-	9,965	1.0000	142	60	-	46	131	-	379
1909	5,872	1,280	-	455	-	-	7,607	1.0000	224	49	-	17	-	-	290
1910	8,616	-	1,371	336	5,327	-	15,650	1.0000	328	-	52	13	203	-	596
1911	11,119	13	13,779	4,986	8,944	-	38,841	1.0000	424	<0.5	525	190	341	-	1,480
1912	78,818	-	20,384	8,154	1,359	-	108,715	0.0736	3,003	-	777	311	52	-	4,143
1913	33,266	3,159	36,253	5,376	5,203	-	83,257	0.7256	1,267	120	1,381	205	198	-	3,171
1914	39,949	-	9,219	1,536	-	-	50,704	0.1302	1,522	-	351	59	-	-	1,932
1915	22,486	769	7,914	1,823	6,195	5	39,192	0.9816	857	29	302	69	236	<0.5	1,493
1916	2,931	71	20,825	2,313	4,189	-	30,329	1.0000	112	3	793	88	160	-	1,156
1917	3,101	18	133,416	4,349	9,991	-	150,875	0.9997	118	1	5,083	166	381	-	5,749
1918	4,046	2,199	130,865	13,377	20,301	-	170,788	0.9584	154	84	4,986	510	773	-	6,507
1919	4,532	236	104,908	14,192	41,520	-	165,388	0.5682	173	9	3,997	541	1,582	-	6,302

Table 15. Continued.

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1920	5,216	24	1,921	5,584	20,773	-	33,518	0.9918	199	1	73	213	791	-	1,277
1921	1,334	-	28,637	1,542	2,825	-	34,338	1.0011	51	-	1,091	59	108	-	1,309
1922	6,353	2,429	73,017	7,732	690	-	90,221	0.9985	242	93	2,782	295	26	-	3,438
1923	4,597	-	73,540	3,793	60	-	81,990	1.0000	175	-	2,802	145	2	-	3,124
1924	4,493	11,858	88,326	3,331	15	-	108,023	1.1062	171	452	3,365	127	1	-	4,116
1925	6,157	167	94,782	30,486	3,600	-	135,192	0.9922	235	6	3,611	1,162	137	-	5,151
1926	8,619	8,599	122,333	22,671	2,808	-	165,030	1.0000	328	328	4,661	864	107	-	6,288
1927	17,853	7,107	161,281	26,703	2,347	56	215,347	0.7921	680	271	6,145	1,017	89	2	8,204
1928	14,385	4,524	235,879	13,735	672	-	269,195	0.2692	548	172	8,987	523	26	-	10,256
1929	7,349	73	142,979	18,821	76	-	169,298	0.3162	280	3	5,448	717	3	-	6,451
1930	10,299	15,425	134,630	18,480	1,053	-	179,887	0.9944	392	588	5,130	704	40	-	6,854
1931	3,091	-	11,557	5,205	288	-	20,141	1.0000	118	-	440	198	11	-	767
1932	10,327	906	13,041	8,596	2,581	88	35,539	1.0000	393	35	497	328	98	3	1,354

a. Total pack from DMF and DBS annual reports, allocated to species using proportions in Table 2 for years prior to 1901, allocated to species from 1901 through 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman, and allocated to species from 1930 through 1932 using packs by species from Supplemental Schedules.

b. For an explanation of "Sample/Total" see Section 2.1.3.

Table 16. Fraser River pack of canned salmon and steelhead with estimates of equivalent landed weight, 1870 to 1932.[a]

Year	Canned Pack (cases)							Sample/ Total[d]	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1870	63	-	-	64	498	-	625	[b]	2	-	-	2	19	-	23
1871	387	-	-	84	575	-	1,046	[b]	15	-	-	3	22	-	40
1872	651	-	-	72	310	-	1,033	[b]	25	-	-	3	12	-	40
1873	8,125	-	-	919	56	-	9,100	[b]	310	-	-	35	2	-	347
1874	17,810	-	-	857	52	-	18,719		679	-	-	33	2	-	714
1875	8,417	-	-	78	5	-	8,500		321	-	-	3	<0.5	-	324
1876	9,847	-	-	754	46	-	10,647		375	-	-	29	2	-	406
1877	64,387	-	-	-	-	-	64,387		2,453	-	-	-	-	-	2,453
1878	100,000	-	-	4,808	293	-	105,101		3,810	-	-	183	11	-	4,004
1879	50,000	-	-	462	28	-	50,490		1,905	-	-	18	1	-	1,924
1880	25,000	-	-	16,170	985	-	42,155		953	-	-	616	38	-	1,607
1881	142,516	-	-	-	-	-	142,516		5,430	-	-	-	-	-	5,430
1882	175,000	-	-	22,815	1,389	-	199,204		6,668	-	-	869	53	-	7,590
1883	100,000	-	-	9,144	557	-	109,701		3,810	-	-	348	21	-	4,179
1884	25,000	-	-	12,666	771	-	38,437		953	-	-	483	29	-	1,465
1885	89,617	-	-	-	-	-	89,617		3,415	-	-	-	-	-	3,415
1886	36,000	-	-	59,551	3,626	-	99,177		1,372	-	-	2,269	138	-	3,779
1887	125,000	-	-	4,843	295	-	130,138		4,763	-	-	185	11	-	4,959
1888	40,000	-	-	34,514	2,102	-	76,616		1,524	-	-	1,315	80	-	2,919
1889	303,875	-	-	4,003	244	-	308,122	[c]	11,578	-	-	153	9	-	11,740
1890	225,000	-	-	18,510	1,127	-	244,637	[c]	8,573	-	-	705	43	-	9,321
1891	131,000	-	-	43,979	2,678	-	177,657	[c]	4,991	-	-	1,676	102	-	6,769
1892	59,000	-	-	37,223	2,267	-	98,490	[c]	2,248	-	-	1,418	86	-	3,752
1893	455,000	-	-	18,125	1,104	-	474,229	[c]	17,336	-	-	691	42	-	18,069
1894	360,000	-	-	3,361	205	-	363,566	[c]	13,717	-	-	128	8	-	13,853
1895	360,000	-	-	68,734	4,186	-	432,920	[c]	13,717	-	-	2,619	159	-	16,495

Table 16. Continued

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1896	325,000	-	-	47,454	2,890	-	375,344 [c]		12,383	-	-	1,808	110	-	14,301
1897	850,000	-	-	27,444	1,671	-	879,115 [c]		32,386	-	-	1,046	64	-	33,496
1898	216,000	-	-	45,456	2,768	-	264,224 [c]		8,230	-	-	1,732	105	-	10,067
1899	486,409	3,925	3,925	25,324	1,542	-	521,125 [c]		18,533	150	150	965	59	-	19,857
1900	170,889	12,267	119,852	26,726	1,627	-	331,361 [c]		6,511	467	4,567	1,018	62	-	12,625
1901	974,911	3,992	2,082	17,043	885	-	998,913 [c]	1.0000	37,146	152	79	649	34	-	38,060
1902	295,670	269	-	29,685	1,574	-	327,198 [c]	1.0000	11,266	10	-	1,131	60	-	12,467
1903	204,911	4,505	-	25,733	2,013	-	237,162 [c]	0.9997	7,807	172	-	980	77	-	9,036
1904	72,685	1,066	-	45,675	9,482	-	128,908	1.0000	2,769	41	-	1,740	361	-	4,911
1905	811,340	3,304	-	26,847	5,507	-	846,998	1.0000	30,913	126	-	1,023	210	-	32,272
1906	178,781	13,145	-	28,825	6,024	-	226,775	0.9999	6,812	501	-	1,098	230	-	8,641
1907	59,815	63,530	-	35,766	4,005	-	163,116	1.0000	2,279	2,421	-	1,363	153	-	6,216
1908	63,126	415	-	24,198	1,445	-	89,184	1.0000	2,405	16	-	922	55	-	3,398
1909	542,248	1,987	-	21,540	1,428	-	567,203 [c]	1.0000	20,660	76	-	821	54	-	21,611
1910	133,045	128	52,177	27,855	9,943	-	223,148	1.0000	5,069	5	1,988	1,061	379	-	8,502
1911	58,610	142,400	47,336	39,824	13,808	-	301,978	0.9979	2,233	5,426	1,804	1,517	526	-	11,506
1912	108,784	574	12,961	28,574	23,028	-	173,921	1.0000	4,145	22	494	1,089	877	-	6,627
1913	684,596	9,973	22,220	11,648	3,622	-	732,059 [c]	1.0000	26,084	380	847	444	138	-	27,893
1914	185,483	6,057	74,726	38,639	23,485	-	328,390	1.0000	7,067	231	2,847	1,472	895	-	12,512
1915	89,040	128,555	18,539	34,114	18,920	31	289,199	1.0000	3,393	4,898	706	1,300	721	1	11,019
1916	27,291	837	30,071	27,871	20,337	33	106,440	1.0038	1,040	32	1,146	1,062	775	1	4,056
1917	124,217	135,098	60,266	29,145	29,255	7	377,988	0.9951	4,733	5,147	2,296	1,110	1,115	<0.5	14,401
1918	17,791	19,416	91,034	46,762	42,283	670	217,956	0.9471	678	740	3,469	1,782	1,611	26	8,306
1919	27,434	36,448	26,304	50,803	17,422	304	158,715	1.0800	1,045	1,389	1,002	1,936	664	12	6,048

Table 16. Continued

Year	Canned Pack (cases)							Sample/ Total	Estimated Landed Weight (tonnes)						
	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1920	44,599	12,839	23,884	27,422	24,085	34	132,863	1.0000	1,699	489	910	1,045	918	1	5,062
1921	35,923	8,183	11,230	31,321	17,320	8	103,985	0.9993	1,369	312	428	1,193	660	<0.5	3,962
1922	48,744	29,578	17,895	24,399	16,861	5	137,482	1.0000	1,857	1,127	682	930	642	<0.5	5,238
1923	29,423	63,645	103,248	20,173	8,133	15	224,637	1.0000	1,121	2,425	3,934	769	310	1	8,560
1924	36,303	32,059	109,806	23,230	7,652	-	209,050	0.9972	1,383	1,221	4,184	885	292	-	7,965
1925	31,627	100,130	66,330	41,962	32,898	45	272,992	0.9967	1,205	3,815	2,527	1,599	1,253	2	10,401
1926	83,916	32,379	88,832	35,654	33,077	40	273,898	0.9962	3,197	1,234	3,385	1,358	1,260	2	10,436
1927	57,372	103,105	67,632	34,892	18,555	37	281,593	0.9945	2,186	3,928	2,577	1,329	707	1	10,728
1928	26,530	2,881	193,106	27,856	5,082	-	255,455	1.0000	1,011	110	7,358	1,061	194	-	9,734
1929	58,410	159,082	144,956	52,770	10,059	53	425,330	0.9945	2,226	6,061	5,523	2,011	383	2	16,206
1930	107,896	30,754	68,946	53,392	21,127	22	282,137	1.0000	4,111	1,172	2,627	2,034	805	1	10,750
1931	54,688	21,534	948	28,165	10,342	4	115,681	1.0000	2,084	820	36	1,073	394	<0.5	4,407
1932	83,447	9,813	45,100	45,243	34,636	23	218,262	1.0000	3,179	374	1,718	1,724	1,320	1	8,316

a. See Appendix E for detail on species breakdowns. Total packs for 1870-1875 from product weights in Table 6. Sockeye packs for 1873 and 1876 to 1899 from Rounsefell and Kelez (1938); chum and pink pack for 1899 and 1900 from DMF annual reports; otherwise total pack from DMF and DBS Annual Reports until 1929; 1930-1932 total pack and pack by species from Table 16 in Anonymous (1958). Total pack allocated to species using proportions in Table 2 for years prior to 1901 Section 2.1.1 in Appendix E), and allocated to species from 1901 to 1929 using pack by species data in annual reports of DMF and FCBC, and in Yearbooks of the Pacific Fisherman.

b. Canned salmon was expressed in different units in Government reports prior to 1874 (e.g. tons; 100 lb cases). These have been converted to 48 lb cases for consistency with case amounts in this table for 1874 onwards.

c. Small amounts of sockeye (<10%) caught by US traps at Point Roberts included in Canadian Fraser River canned pack (Gilhousen 1992).

d. For an explanation of "Sample/Total" see Section 2.1.3.

Table 17. Queen Charlotte Islands salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1888-1929.[a]

	Products							Estimated Landed Weight (tonnes)						
Year	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen Companies (lb)	Fresh/Frozen Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1888	-	200	5,000	-	-	-	-	3	-	-	10	17	<0.5	30
1889	-	100	5,000	-	-	-	-	1	-	-	5	9	<0.5	15
1890	-	50	500	-	-	-	-	1	-	-	2	4	<0.5	7
1891	-	50	1,000	-	2,000	-	-	1	-	-	2	6	<0.5	9
1892	-	50	1,000	-	2,000	-	-	1	-	-	2	6	<0.5	9
1893	-	50	-	-	2,000	-	-	1	-	-	2	6	-	9
1894	-	50	1,000	-	2,000	-	-	1	-	-	2	6	<0.5	9
1895	-	60	1,500	-	2,000	-	-	1	-	-	3	7	<0.5	11
1896	-	50	1,500	-	2,000	-	-	1	-	-	2	6	<0.5	9
1897	-	125	2,500	-	3,000	-	-	2	-	-	6	13	<0.5	21
1898	-	150	2,500	-	5,000	-	-	2	-	-	7	16	<0.5	25
1899	-	150	2,300	-	6,000	-	-	2	-	-	7	17	<0.5	26
1900	-	150	2,500	-	6,000	-	-	2	-	-	7	17	<0.5	26
1901	16,000	50	15,000	-	600	-	-	1	1	10	4	6	<0.5	22
1902	25,000	150	15,000	-	6,000	-	-	2	3	15	8	17	<0.5	45
1903	25,000	350	25,000	-	10,000	-	-	5	6	16	17	36	1	81
1904	50,000	300	25,000	-	-	-	-	4	5	30	15	25	1	80
1905	90,000	400	20,000	-	-	-	-	5	7	53	18	31	1	115
1906	100,000	500	100,000	-	-	-	-	7	9	65	35	51	3	170
1907	90,000	400	90,000	-	-	-	-	5	8	58	30	43	3	147
1908	100,000	550	100,000	-	-	-	-	8	10	65	37	55	3	178
1909	150,000	500	120,000	-	-	-	-	7	9	95	39	54	4	208
1910	1,533,300	-	-	-	40,000	-	-	-	1	869	-	30	<0.5	900

Table 17. Continued.

Year	Products							Estimated Landed Weight (tonnes)						
			Fresh/Frozen											
	Dry Salted (lb)	Pickled (barrels)	Companies (lb)	Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1911	1,600,000	-	-	-	40,000	-	-	-	1	907	-	30	<0.5	938
1912	378,800	-	-	-	120,000	11,900	-	-	3	215	<0.5	97	<0.5	315
1913	300,000	-	-	-	200,000	102,000	-	-	5	170	2	216	<0.5	393
1914	490,000	-	27,600	-	100,000	352,500	-	<0.5	3	280	13	311	1	608
1915	637,500	-	-	-	-	-	-	-	-	361	-	-	-	361
1916	841,300	-	-	-	-	-	-	-	-	477	-	-	-	477
1917	813,400	-	921,100	-	-	-	-	<0.5	11	534	153	153	27	878
1918	-	-	744,000	-	-	225,000	-	<0.5	9	59	129	271	22	490
1919	527,500	-	200,000	-	300,000	253,300	-	<0.5	9	315	39	423	7	793
1920	244,500	-	949,000	-	-	-	-	<0.5	11	214	158	158	28	569
1921	585,000	-	-	-	-	-	-	<0.5	-	332	-	-	-	332
1922	1,357,600	-	-	-	-	-	-	-	-	770	-	-	-	770
1923	1,581,600	-	-	-	-	-	-	-	-	897	-	-	-	897
1924	2,438,500	-	-	-	-	-	-	-	-	1,383	-	-	-	1,383
1925	2,631,000	-	-	-	-	-	-	-	-	1,492	-	-	-	1,492
1926	4,981,200	-	-	-	-	-	-	-	-	2,824	-	-	-	2,824
1927	3,240,000	-	-	-	-	-	-	-	-	1,837	-	-	-	1,837
1928	4,457,900	-	-	-	-	-	-	-	-	2,528	-	-	-	2,528
1929	1,468,500	-	-	-	-	-	-	-	-	833	-	-	-	833

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 18. Nass River salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1878-1929.[a]

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			Companies (lb)	Fishermen (lb)										
1878	-	41	-	-	1,700	-	-	2	-	-	1	3	-	6
1879	-	950	-	-	-	-	-	52	-	-	27	50	-	129
1880	-	920	-	-	-	-	-	50	-	-	26	49	-	125
1881	-	320	-	-	-	-	-	17	-	-	9	17	-	43
1882	-	20	-	-	-	-	-	1	-	-	1	1	-	3
1883	-	310	79,740	-	6,536	-	-	17	-	-	25	38	3	83
1884	-	186	-	-	-	-	-	10	-	-	5	10	-	25
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887	-	1,421	55,000	-	-	-	-	77	-	-	52	87	2	218
1888	-	1,261	15,000	-	1,000	-	-	69	-	-	39	71	1	180
1889	-	169	25,000	-	-	-	-	9	-	-	10	14	1	34
1890	-	380	4,600	-	20,000	-	-	21	-	-	12	37	<0.5	70
1891	-	73	10,000	-	18,000	-	-	4	-	-	4	20	<0.5	28
1892	-	220	10,500	-	20,000	-	-	12	-	-	8	29	<0.5	49
1893	-	100	8,000	-	20,000	-	-	5	-	-	5	22	<0.5	32
1894	-	100	8,000	-	10,000	-	-	5	-	-	5	15	<0.5	25
1895	-	150	8,000	-	10,000	-	-	8	-	-	6	17	<0.5	31
1896	-	200	10,000	-	10,000	-	-	11	-	-	8	20	<0.5	39
1897	-	150	10,000	-	10,000	-	-	8	-	-	6	18	<0.5	32
1898	-	200	10,000	-	10,000	-	-	11	-	-	8	20	<0.5	39
1899	-	200	10,000	-	10,000	-	-	11	-	-	8	20	<0.5	39
1900	-	200	25,000	-	60,000	-	-	11	-	-	11	62	1	85
1901	-	200	25,000	-	60,000	-	-	3	5	2	12	63	1	86
1902	-	1,140	28,000	-	70,000	-	-	16	20	2	47	136	1	222
1903	-	1,200	30,000	-	75,000	-	-	16	22	2	50	144	1	235
1904	-	1,000	28,000	-	80,000	-	-	14	18	2	42	133	1	210

Table 18. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			Companies (lb)	Fishermen (lb)										
1905	100,000	120	20,000	-	80,000	-	-	2	4	58	8	71	1	144
1906	80,000	100	10,000	-	70,000	233,320	-	1	3	46	11	214	<0.5	275
1907	75,000	80	9,000	-	-	127,680	-	1	1	43	7	91	<0.5	143
1908	80,000	84	10,000	-	55,000	146,250	-	1	3	46	8	145	<0.5	203
1909	100,000	80	9,000	-	60,000	176,250	-	1	3	57	9	168	<0.5	238
1910	6,900	-	-	-	70,000	62,400	-	-	2	4	1	93	<0.5	100
1911	5,000	-	-	-	75,000	106,200	-	-	2	3	2	126	<0.5	133
1912	-	-	120,000	-	70,000	102,000	-	<0.5	3	10	22	139	4	178
1913	-	-	720,000	-	50,000	85,000	-	<0.5	9	57	122	213	22	423
1914	-	-	750,000	-	30,000	85,000	-	<0.5	9	60	127	203	22	421
1915	-	-	309,900	-	-	-	-	<0.5	4	25	52	52	9	142
1916	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	150,000	-	30,000	-	-	-	-	<0.5	<0.5	87	5	5	1	98
1920	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	196,000	-	-	-	-	-	-	-	-	111	-	-	-	111
1923	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1924	119,000	-	-	-	-	-	-	-	-	67	-	-	-	67
1925	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	3,600	-	-	-	-	-	-	-	-	2	-	-	-	2
1928	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 19. Skeena River salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1877 to 1929.[a]

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen Companies (lb)	Fresh/Frozen Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1877	-	10	-	-	-	-	-	1	-	-	<0.5	1	-	2
1878	-	15	-	-	-	-	-	1	-	-	<0.5	1	-	2
1879	-	52	-	-	-	-	-	3	-	-	1	3	-	7
1880	-	844	-	-	-	-	-	46	-	-	13	56	-	115
1881	-	555	-	-	-	-	-	30	-	-	9	37	-	76
1882	-	1,148	-	-	-	-	-	62	-	-	18	76	-	156
1883	-	1,502	-	-	-	-	-	82	-	-	24	99	-	205
1884	-	868	-	-	-	-	-	47	-	-	14	57	-	118
1885	-	350	-	-	-	-	-	19	-	-	6	23	-	48
1886	-	713	136,500	-	-	-	-	39	-	-	38	76	5	158
1887	-	294	210,000	-	-	-	-	16	-	-	46	64	8	134
1888	-	398	150,000	-	10,000	-	-	22	-	-	36	66	6	130
1889	-	95	60,000	-	-	-	-	5	-	-	13	19	2	39
1890	-	845	90,000	-	10,000	-	-	46	-	-	31	83	4	164
1891	-	250	90,000	-	10,000	-	-	14	-	-	22	43	4	83
1892	-	638	240,000	-	13,200	-	-	35	-	-	58	104	10	207
1893	-	737	285,200	-	-	-	-	40	-	-	68	110	11	229
1894	-	2,000	150,000	-	-	-	-	109	-	-	61	164	6	340
1895	-	1,000	150,000	-	600	-	-	54	-	-	46	98	6	204
1896	-	500	150,000	-	750	-	-	27	-	-	38	66	6	137
1897	-	800	100,000	-	10,000	-	-	44	-	-	33	82	4	163
1898	-	400	71,350	-	10,000	-	-	22	-	-	21	49	3	95
1899	-	1,000	70,000	-	14,500	-	-	54	-	-	30	92	3	179
1900	-	2,500	175,000	-	55,000	-	-	136	-	-	74	245	7	462
1901	-	2,555	215,805	-	55,000	-	-	35	24	19	90	313	7	488
1902	-	1,550	300,000	-	80,000	-	-	21	17	26	81	253	10	408
1903	-	1,950	312,850	-	95,000	-	-	27	21	27	92	304	10	481

Table 19. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			Companies (lb)	Fishermen (lb)										
1904	-	1,600	200,000	-	70,000	-	-	22	16	17	67	234	6	362
1905	150,000	1,400	269,000	-	60,000	-	-	19	35	89	73	219	9	444
1906	200,000	-	829,880	-	50,000	494,000	-	<0.5	36	159	137	506	26	864
1907	196,000	60	1,197,985	-	-	759,240	-	1	39	189	199	713	38	1,179
1908	220,000	70	671,281	-	30,000	648,750	-	1	37	154	116	574	21	903
1909	300,000	50	532,190	-	35,000	978,750	-	1	46	177	98	772	17	1,111
1910	-	-	-	-	40,000	759,200	-	-	1	-	11	535	<0.5	547
1911	-	-	341,635	8,365	45,000	1,466,200	-	<0.5	5	30	76	1,070	11	1,192
1912	4,400	-	585,562	14,338	43,300	864,400	-	<0.5	8	53	106	710	19	896
1913	-	-	917,241	22,459	20,000	1,694,000	-	<0.5	11	79	171	1,303	29	1,593
1914	-	-	1,078,005	26,395	20,000	1,655,200	-	<0.5	13	93	197	1,305	34	1,642
1915	12,900	-	1,825,014	44,686	-	922,900	-	1	22	164	306	933	58	1,484
1916	-	-	1,375,813	33,687	-	1,451,600	-	<0.5	15	119	242	1,206	44	1,626
1917	7,700	-	1,883,385	46,115	3,000	861,100	-	1	22	167	315	904	60	1,469
1918	-	-	2,546,645	62,355	300	708,800	-	1	28	221	419	916	81	1,666
1919	-	-	1,666,691	40,809	2,800	-	-	1	19	144	268	293	53	778
1920	-	-	2,314,919	56,681	4,000	441,000	-	1	26	201	378	700	73	1,379
1921	268,900	-	4,032,660	98,740	3,000	460,000	-	1	80	467	655	1,011	127	2,341
1922	100,000	-	3,558,373	87,127	1,300	523,900	-	1	53	352	579	970	112	2,067
1923	79,000	-	3,415,100	364,300	-	650,300	7,800	<0.5	73	395	449	1,247	41	2,205
1924	263,200	262	3,047,700	254,900	-	986,500	47,600	<0.5	144	417	441	1,337	36	2,375
1925	256,000	225	3,916,100	-	-	1,916,100	2,400	-	4	504	537	2,211	-	3,256
1926	41,600	781	3,637,800	65,600	1,000	566,200	-	1	18	432	509	1,060	176	2,196
1927	-	92	3,163,500	105,100	-	911,500	-	<0.5	20	233	393	1,212	257	2,115
1928	-	118	4,504,400	568,400	-	1,151,500	-	1	56	430	1,113	1,316	183	3,099
1929	-	25	3,669,200	-	-	699,500	-	3	54	212	855	905	115	2,144

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 20. North Coast salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1883-1929.[a]

	Products							Estimated Landed Weight (tonnes)						
			Fresh/Frozen											
Year	Dry Salted (lb)	Pickled (barrels)	Companies (lb)	Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1883	-	447	-	-	-	-	-	24	-	-	21	15	-	60
1884	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	72	3,500	-	-	-	-	4	-	-	4	3	<0.5	11
1887	-	357	-	-	-	-	-	19	-	-	18	13	<0.5	50
1888	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1892	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1893	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1894	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1895	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1896	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1897	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1898	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1899	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1901	-	120	15,000	-	800	-	-	2	3	<0.5	11	8	<0.5	24
1902	75,000	140	27,000	-	30,000	-	-	2	5	43	15	32	<0.5	97
1903	60,000	150	29,000	-	35,000	-	-	2	5	34	16	36	<0.5	93
1904	100,000	150	30,000	-	50,000	-	-	2	6	57	16	48	<0.5	129
1905	284,000	1,000	10,000	-	50,000	-	-	14	28	161	58	80	<0.5	341
1906	100,000	500	8,000	-	60,000	-	-	7	15	57	30	66	<0.5	175
1907	120,000	400	7,000	-	-	-	-	5	11	68	24	17	<0.5	125
1908	160,000	500	8,000	-	45,000	-	-	7	14	91	30	55	<0.5	197

Table 20. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			Companies (lb)	Fishermen (lb)										
1909	190,000	400	8,500	-	50,000	15,000	-	5	12	108	26	64	<0.5	215
1910	120,000	-	-	-	80,000	-	-	-	2	68	-	60	<0.5	130
1911	100,000	-	-	-	77,500	-	-	-	2	57	-	58	<0.5	117
1912	-	-	10,200	-	72,500	35,700	-	-	2	<0.5	6	76	<0.5	84
1913	-	-	52,200	-	550,000	20,400	-	-	14	1	16	430	2	463
1914	-	-	30,000	-	100,000	-	-	-	3	<0.5	8	79	1	91
1915	-	-	40,000	-	-	-	-	-	1	1	11	6	<0.5	19
1916	-	-	32,200	-	-	-	-	-	1	<0.5	9	5	<0.5	15
1917	73,600	-	137,500	-	-	-	-	-	2	44	37	20	2	105
1918	40,000	-	153,800	-	-	-	-	-	2	25	41	23	2	93
1919	20,000	-	315,300	-	190,000	-	-	-	9	16	84	188	4	301
1920	100,000	-	202,000	-	-	-	-	-	3	59	54	30	2	148
1921	62,000	4	456,200	-	-	500	-	-	7	41	122	67	6	243
1922	206,200	-	-	-	-	-	-	-	-	117	-	-	-	117
1923	234,000	-	398,400	-	-	231,800	160,800	-	73	136	132	168	35	544
1924	-	1,291	318,500	-	-	166,400	141,400	-	99	27	152	220	<0.5	498
1925	-	-	235,100	-	-	207,500	-	-	3	-	113	132	-	248
1926	-	-	413,900	-	-	187,500	31,500	-	9	-	134	186	1	330
1927	-	-	341,100	-	-	233,900	-	-	-	-	71	243	-	314
1928	-	-	321,600	-	-	84,900	-	-	2	9	96	96	1	204
1929	114,000	-	346,100	-	-	15,300	-	-	2	65	106	58	<0.5	231

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E. Salmon products marketed between 1890 and 1900 by companies in the North Coast area were recorded under the Skeena River area; these have been corrected in this report.

Table 21. Rivers Inlet and Smith Inlet salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1882-1929.[a]

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			Companies (lb)	Fishermen (lb)										
1882	-	60	-	-	-	-	-	3	-	-	2	3	-	8
1883	-	1,345	-	-	-	-	-	73	-	-	38	71	-	182
1884	-	3,125	-	-	-	-	-	170	-	-	89	166	-	425
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	100	52,500	-	-	-	-	5	-	-	14	16	2	37
1887	-	1,402	81,000	-	-	-	-	76	-	-	57	91	3	227
1888	-	1,750	58,000	-	-	-	-	95	-	-	62	105	2	264
1889	-	443	28,000	-	-	-	-	24	-	-	18	29	1	72
1890	-	470	17,915	-	-	-	-	26	-	-	17	29	1	73
1891	-	50	92,000	-	10,000	-	-	3	-	-	21	29	3	56
1892	-	25	90,000	-	10,000	-	-	1	-	-	19	28	3	51
1893	-	100	10,000	-	6,240	-	-	5	-	-	5	12	<0.5	22
1894	-	150	10,000	-	6,000	-	-	8	-	-	6	15	<0.5	29
1895	-	145	10,000	-	5,000	-	-	8	-	-	6	14	<0.5	28
1896	-	120	10,500	-	5,000	-	-	7	-	-	6	12	<0.5	25
1897	-	750	20,000	-	1,500	-	-	41	-	-	26	45	1	113
1898	-	250	20,000	-	2,000	-	-	14	-	-	11	19	1	45
1899	-	350	20,000	-	2,000	-	-	19	-	-	14	24	1	58
1900	-	250	25,000	-	2,000	-	-	14	-	-	12	20	1	47
1901	-	130	10,000	-	1,200	-	-	2	2	1	6	12	<0.5	23
1902	-	100	25,000	-	1,200	-	-	1	2	2	8	12	1	26
1903	-	140	2,500	-	5,000	-	-	2	2	<0.5	6	14	<0.5	24
1904	-	150	20,000	-	4,000	-	-	2	3	2	9	17	1	34
1905	160,000	100	30,000	-	3,000	-	-	1	2	93	9	14	1	120
1906	450,000	80	20,000	-	2,000	-	-	1	2	257	6	10	1	277
1907	500,000	40	18,600	-	-	-	-	1	1	285	5	6	1	299

Table 21. Continued

	Products							Estimated Landed Weight (tonnes)						
			Fresh/Frozen											
Year	Dry Salted (lb)	Pickled (barrels)	Companies (lb)	Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1908	600,000	50	17,600	-	2,500	-	-	1	1	342	5	8	1	358
1909	700,000	30	16,000	-	3,500	-	-	<0.5	1	398	4	7	<0.5	410
1910	4,000	-	-	-	35,000	-	-	-	1	2	-	26	<0.5	29
1911	3,000	-	-	-	30,000	-	-	-	1	2	-	22	<0.5	25
1912	-	-	-	-	25,000	-	-	-	1	-	-	19	<0.5	20
1913	-	-	-	-	20,000	-	-	-	<0.5	-	-	15	<0.5	15
1914	-	-	-	-	20,000	-	-	-	<0.5	-	-	15	<0.5	15
1915	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	85,000	-	-	-	-	<0.5	1	7	14	14	3	39
1919	-	-	45,000	-	60,000	-	-	<0.5	2	4	7	52	1	66
1920	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	-	-	100,000	-	-	-	-	<0.5	1	8	17	17	3	46
1922	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	140,000	-	-	-	-	-	-	-	-	79	-	-	-	79
1924	48,000	-	-	-	-	-	-	-	-	27	-	-	-	27
1925	15,000	-	-	-	-	-	-	-	-	9	-	-	-	9
1926	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	203,200	-	-	-	-	-	-	-	-	115	-	-	-	115

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 22. Johnstone Strait salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1878-1932.[a]

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelh	Total
			Companies (lb)	Fishermen (lb)										
1878	-	258	-	-	15,041	-	-	14	-	-	2	30	-	46
1879	-	350	-	-	15,000	-	-	19	-	-	3	37	-	59
1880	-	50	-	-	-	-	-	3	-	-	<0.5	4	-	7
1881	-	200	-	-	-	-	-	11	-	-	2	14	-	27
1882	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883	-	350	-	-	-	-	-	19	-	-	3	25	-	47
1884	-	150	-	-	-	-	-	8	-	-	1	11	-	20
1885	-	100	-	-	-	-	-	5	-	-	1	7	-	13
1886	-	858	38,500	-	-	-	-	47	-	-	23	65	<0.5	135
1887	-	50	25,000	-	-	-	-	3	-	-	10	6	<0.5	19
1888	-	145	10,000	-	-	-	-	8	-	-	5	11	<0.5	24
1889	-	10	5,000	-	1,000	-	-	1	-	-	2	2	<0.5	5
1890	-	-	5,000	-	-	-	-	-	-	-	2	<0.5	<0.5	2
1891	-	-	15,000	-	5,000	-	-	-	-	-	6	5	<0.5	11
1892	-	30	25,000	-	5,000	-	-	2	-	-	10	8	<0.5	20
1893	-	25	25,000	-	5,000	-	-	1	-	-	10	8	<0.5	19
1894	-	25	23,000	-	5,500	-	-	1	-	-	9	8	<0.5	18
1895	-	25	25,000	-	5,500	-	-	1	-	-	10	8	<0.5	19
1896	-	50	25,000	-	600	-	-	3	-	-	10	6	<0.5	19
1897	-	100	30,000	-	6,000	-	-	5	-	-	12	14	<0.5	31
1898	-	100	30,000	-	6,000	-	-	5	-	-	12	14	<0.5	31
1899	-	100	30,500	-	5,500	-	-	5	-	-	12	14	<0.5	31
1900	-	100	30,000	-	5,500	-	-	5	-	-	12	14	<0.5	31
1901	-	100	30,000	-	5,500	-	-	1	2	9	3	15	<0.5	30
1902	-	100	30,000	-	6,500	-	-	1	2	9	3	16	<0.5	31
1903	-	150	30,000	-	10,500	-	-	2	2	9	4	24	<0.5	41

Table 22. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen Companies (lb)	Fresh/Frozen Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelh	Total
1904	-	140	30,000	-	10,000	-	-	2	2	9	4	23	<0.5	40
1905	38,000	-	10,500	-	4,000	-	-	-	1	24	1	3	<0.5	29
1906	45,600	-	10,900	-	5,300	-	-	-	1	29	1	4	<0.5	35
1907	124,300	-	11,400	-	5,300	-	-	-	2	73	1	4	<0.5	80
1908	124,800	-	11,600	-	5,500	-	-	-	2	73	1	4	<0.5	80
1909	131,000	-	12,300	-	-	-	-	-	2	77	1	<0.5	<0.5	80
1910	75,000	-	30,537	51,463	67,000	-	-	<0.5	3	51	20	54	2	130
1911	-	-	35,378	59,622	9,000	-	-	<0.5	3	11	23	13	<0.5	50
1912	-	-	67,777	114,223	-	-	-	<0.5	5	21	44	19	<0.5	89
1913	-	-	268,128	451,872	-	-	-	1	20	85	176	46	<0.5	328
1914	-	-	350,577	590,823	50,000	-	-	1	26	111	230	97	2	467
1915	11,600	-	1,161,627	1,957,673	11,100	31,300	-	5	85	373	762	227	<0.5	1,452
1916	-	-	133,841	225,559	-	-	-	1	10	42	88	23	<0.5	164
1917	-	-	215,769	363,631	-	-	-	1	16	68	141	37	<0.5	263
1918	-	-	26,589	44,811	18,000	-	-	<0.5	2	8	17	18	1	46
1919	-	-	610,736	1,029,264	-	-	-	2	45	193	400	104	<0.5	744
1920	370,000	-	525,792	886,108	171,500	-	-	2	42	372	344	216	6	982
1921	260,000	-	471,570	794,730	-	-	-	2	37	293	309	81	<0.5	722
1922	392,000	-	569,809	960,291	12,500	-	-	2	46	398	373	107	<0.5	926
1923	608,800	-	161,000	1,411,100	-	-	1,000	3	<0.5	405	517	133	-	1,058
1924	692,900	-	75,100	1,672,600	-	-	-	4	8	406	608	160	<0.5	1,186
1925	1,224,000	-	156,400	800,800	-	-	-	2	-	755	294	77	-	1,128
1926	1,982,600	11	-	1,705,400	-	-	-	4	-	1,125	608	162	-	1,899
1927	494,000	-	101,300	828,300	-	-	-	-	27	280	351	44	-	702
1928	1,442,400	-	1,923,700	748,800	-	-	-	-	1	1,596	398	35	-	2,030
1929	841,000	-	690,300	1,566,200	-	-	-	-	281	477	574	168	-	1,500
1930	673,500	-	77,700	1,141,100	-	-	-	10	-	382	349	194	-	935
1931	2,664,900	-	87,200	841,200	-	-	-	2	10	1,538	303	80	-	1,933
1932	2,060,000	-	1,227,700	615,000	-	-	-	1	<0.5	1,684	255	64	-	2,004

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 23. Strait of Georgia salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weight, 1883-1932.[a]

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			ompanie (lb)	Fishermen (lb)										
1883	-	-	-	-	389,286	-	-	-	-	-	-	300	-	300
1884	-	600	-	300,000	350,000	-	-	33	-	17	78	359	<0.5	487
1885	-	800	-	350,000	356,000	-	-	44	-	20	92	386	<0.5	542
1886	-	-	-	50,000	3,000	-	-	-	-	3	12	10	<0.5	25
1887	-	200	-	150,000	2,000	-	-	11	-	9	38	39	<0.5	97
1888	-	-	450,000	-	-	-	-	-	-	-	198	6	-	204
1889	-	50	125,000	-	1,200	-	-	3	-	-	56	6	-	65
1890	-	70	117,000	-	9,000	-	-	4	-	-	52	13	-	69
1891	-	60	118,000	-	10,000	-	-	3	-	-	53	14	-	70
1892	-	60	500,000	-	10,000	-	-	3	-	-	221	18	-	242
1893	-	60	500,000	-	10,000	-	-	3	-	-	221	18	-	242
1894	-	-	500,000	-	5,000	-	-	-	-	-	220	10	-	230
1895	-	50	50,000	-	5,000	-	-	3	-	-	23	8	-	34
1896	-	50	100,000	-	5,000	-	-	3	-	-	45	9	-	57
1897	-	260	150,000	-	5,000	-	-	14	-	-	69	25	-	108
1898	-	250	250,000	-	75,000	-	-	14	-	-	113	79	-	206
1899	-	250	260,000	-	76,000	-	-	14	-	-	117	80	-	211
1900	-	250	265,000	-	75,000	-	-	14	-	-	119	79	-	212
1901	-	250	265,000	-	75,000	-	-	3	-	-	120	86	3	212
1902	1,575,000	225	260,000	-	80,000	-	-	3	9	871	118	100	3	1,104
1903	750,000	275	255,000	-	85,000	-	-	4	4	415	116	102	3	644
1904	1,275,798	270	250,000	-	80,000	-	-	4	7	705	114	102	3	935
1905	604,500	-	234,500	-	56,200	-	-	-	3	334	103	49	2	491
1906	1,084,100	-	240,700	-	63,300	-	-	-	6	599	106	59	2	772
1907	1,008,500	-	241,300	-	63,900	-	-	-	6	558	106	58	2	730
1908	1,045,200	-	241,000	-	64,400	-	-	-	6	578	106	59	2	751
1909	1,065,400	-	241,500	-	-	-	-	-	6	589	106	12	-	713
1910	3,235,000	-	3,353	410,647	242,000	-	-	-	18	1,813	101	268	9	2,209
1911	1,158,600	-	3,807	466,193	17,000	-	-	-	7	668	114	94	1	884
1912	750,000	-	6,723	823,277	20,000	-	-	-	4	463	202	147	1	817
1913	2,800,000	-	9,801	1,200,199	-	-	-	-	16	1,618	295	208	<0.5	2,137
1914	2,382,000	-	18,772	2,298,728	-	-	-	-	14	1,451	564	373	<0.5	2,402
1915	1,301,400	-	78,561	9,620,339	-	-	-	-	7	1,278	2,361	1,489	1	5,136

Table 23. Continued

	Products							Estimated Landed Weight (tonnes)						
			Fresh/Frozen											
Year	Dry Salted (lb)	Pickled (barrels)	ompanie (lb)	Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1916	-	-	16,787	2,055,713	-	-	-	-	-	119	505	316	<0.5	940
1917	-	-	15,527	1,901,373	-	-	-	-	-	110	467	292	<0.5	869
1918	-	-	24,434	2,992,066	9,000	77,600	-	-	-	174	738	516	1	1,429
1919	-	-	43,433	5,318,667	-	-	-	-	-	309	1,305	817	1	2,432
1920	-	-	10,062	1,232,138	1,900	-	-	-	-	72	302	191	<0.5	565
1921	1,305,900	-	12,438	1,523,062	2,600	-	-	-	7	811	374	247	<0.5	1,439
1922	1,038,400	-	11,661	1,427,939	1,000	-	-	-	6	657	350	229	<0.5	1,242
1923	529,000	-	40,100	982,500	-	-	-	-	-	375	238	151	<0.5	764
1924	850,800	-	-	636,400	-	-	-	-	-	519	154	98	<0.5	771
1925	2,608,800	-	18,700	864,000	-	-	-	-	45	1,417	217	199	<0.5	1,878
1926	2,068,500	-	-	904,300	-	-	-	-	-	1,225	219	139	<0.5	1,583
1927	370,500	-	700	1,368,100	-	-	-	-	-	210	439	182	-	831
1928	804,000	3,250	5,000	1,446,100	-	-	-	-	-	1,161	173	222	-	1,556
1929	207,200	-	-	849,100	-	-	-	-	-	117	230	155	<0.5	502
1930	500,000	-	-	834,700	-	-	-	-	-	283	242	137	<0.5	662
1931	3,585,000	-	17,600	358,500	-	-	-	-	574	1,479	89	60	<0.5	2,202
1932	2,276,000	-	-	741,800	-	-	-	-	-	1,334	179	114	<0.5	1,627

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 24. Juan de Fuca Strait salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1877-1932.[a]

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			Companies (lb)	Fishermen (lb)										
1877	-	100	-	-	7,500	-	-	5	-	-	1	13	-	19
1878	-	100	-	-	10,000	-	-	5	-	-	1	15	-	21
1879	-	150	-	-	9,375	-	-	8	-	-	1	18	-	27
1880	-	250	-	-	8,636	-	-	14	-	-	2	25	-	41
1881	-	350	-	-	13,182	-	-	19	-	-	3	35	-	57
1882	-	520	-	-	13,636	-	-	28	-	-	5	48	-	81
1883	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	42,000	-	1,000	-	-	<0.5	-	-	4	15	1	20
1887	-	35	106,600	-	8,450	-	-	3	-	-	10	45	1	59
1888	-	25	120,000	-	900	-	-	2	-	-	11	44	2	59
1889	-	-	110,000	-	1,000	-	-	1	-	-	10	38	2	51
1890	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1892	-	-	26,000	-	5,000	-	-	<0.5	-	-	2	13	<0.5	15
1893	-	100	27,500	-	8,000	-	-	6	-	-	3	23	<0.5	32
1894	-	100	25,500	-	10,000	-	-	6	-	-	3	24	<0.5	33
1895	-	150	25,000	-	8,000	-	-	8	-	-	4	26	<0.5	38
1896	-	150	25,000	-	7,500	-	-	8	-	-	4	25	<0.5	37
1897	-	200	25,000	-	8,000	-	-	11	-	-	4	29	<0.5	44
1898	-	250	25,000	-	8,000	-	-	14	-	-	5	33	<0.5	52
1899	-	250	25,500	-	7,500	-	-	14	-	-	5	33	<0.5	52
1900	-	250	25,000	-	7,500	-	-	14	-	-	5	32	<0.5	51
1901	-	300	25,000	-	7,500	-	-	4	3	2	6	42	1	58
1902	-	275	25,000	-	8,000	-	-	4	<0.5	-	6	45	<0.5	55
1903	-	280	155,000	-	25,000	-	-	5	20	10	13	77	3	128
1904	1,709,075	290	120,000	-	20,000	-	-	4	1	946	13	113	2	1,079
1905	2,068,100	-	309,560	-	53,750	-	-	3	40	1,164	18	124	5	1,354

Table 24. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
			Companies (lb)	Fishermen (lb)										
1906	1,960,500	-	429,000	-	52,700	-	-	-	2	1,085	32	222	5	1,346
1907	1,945,000	-	428,600	-	53,100	-	-	4	56	1,103	25	143	7	1,338
1908	1,938,000	-	429,200	-	53,400	-	-	-	2	1,073	32	223	5	1,335
1909	2,541,000	-	496,000	-	-	-	-	4	65	1,437	29	125	5	1,665
1910	335,000	-	216,144	748,356	585,000	1,009,200	-	-	1	185	111	1,442	26	1,765
1911	799,000	-	156,870	543,130	7,000	-	-	1	21	452	51	247	4	776
1912	400,000	-	203,931	706,069	7,500	490,000	-	-	1	221	88	664	5	979
1913	-	-	161,352	558,648	330,000	615,000	-	1	21	10	75	876	16	999
1914	-	-	2,282,974	7,904,326	400,000	305,500	-	-	10	-	785	4,278	65	5,138
1915	-	-	174,148	602,952	421,000	25,000	-	2	23	11	57	582	19	694
1916	-	-	209,937	726,863	57,600	-	-	-	1	-	71	391	7	470
1917	-	-	95,668	331,232	70,400	-	-	1	13	6	31	193	5	249
1918	-	-	47,061	162,939	-	-	-	-	<0.5	-	16	78	1	95
1919	-	-	109,697	379,803	5,200	135,000	-	1	14	7	41	252	3	318
1920	-	-	124,286	430,314	8,000	70,800	-	-	1	-	45	258	3	307
1921	40,000	-	319,029	1,104,571	2,600	183,500	-	3	42	42	110	591	8	796
1922	-	-	421,801	1,460,399	18,100	440,700	-	-	2	-	160	996	10	1,168
1923	-	-	40,800	90,200	9,400	-	-	-	-	-	8	59	<0.5	67
1924	165,500	-	143,300	206,100	16,000	-	-	-	-	92	21	151	1	265
1925	10,000	-	407,300	212,200	1,000	431,800	-	6	85	<0.5	29	454	7	581
1926	-	-	91,900	655,400	11,000	130,200	-	-	<0.5	-	57	375	4	436
1927	-	-	38,100	522,800	-	312,100	-	-	3	-	15	445	3	466
1928	-	-	67,400	879,900	-	567,400	-	-	1	-	148	662	4	815
1929	407,700	-	170,600	663,400	-	352,900	-	-	1	269	119	456	5	850
1930	-	-	50,700	273,400	-	235,500	-	-	-	-	16	290	1	307
1931	1,381,200	-	102,000	500,400	-	-	-	-	2	783	46	222	4	1,057
1932	-	-	106,400	452,800	-	176,200	-	-	<0.5	-	41	327	6	374

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 25. West Coast of Vancouver Island salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1887-1932.[a]

	Products							Estimated Landed Weight (tonnes)						
			Fresh/Frozen											
Year	Dry Salted (lb)	Pickled (barrels)	Companies (lb)	Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1887	-	400	3,000	-	-	-	-	22	-	-	4	30	<0.5	56
1888	-	200	-	-	-	-	-	11	-	-	2	14	-	27
1889	-	200	1,000	-	-	-	-	11	-	-	2	15	<0.5	28
1890	-	-	1,000	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5
1891	-	-	11,000	-	5,000	-	-	-	-	-	2	7	<0.5	9
1892	-	205	2,000	-	1,000	-	-	11	-	-	2	16	<0.5	29
1893	-	550	2,500	-	1,000	-	-	30	-	-	6	41	<0.5	77
1894	-	600	2,500	-	2,000	-	-	33	-	-	6	46	<0.5	85
1895	-	500	4,000	-	2,500	-	-	27	-	-	5	39	<0.5	71
1896	-	500	5,000	-	2,500	-	-	27	-	-	5	40	<0.5	72
1897	-	750	5,000	-	3,000	-	-	41	-	-	8	58	<0.5	107
1898	-	750	5,000	-	10,000	-	-	41	-	-	8	63	<0.5	112
1899	-	750	4,750	-	10,000	-	-	41	-	-	8	63	<0.5	112
1900	-	750	5,000	-	10,000	-	-	41	-	-	8	63	<0.5	112
1901	-	700	5,000	-	10,000	-	-	10	<0.5	1	11	84	<0.5	106
1902	150,000	750	15,000	-	11,500	-	-	10	<0.5	87	12	93	<0.5	202
1903	100,000	780	25,000	-	15,000	-	-	11	<0.5	60	14	101	1	187
1904	-	750	40,000	-	18,000	-	-	10	<0.5	6	14	103	1	134
1905	1,300,000	-	53,300	-	19,050	-	-	-	<0.5	745	5	25	1	776
1906	1,489,500	-	54,000	-	22,600	-	-	-	<0.5	852	5	28	1	886
1907	1,492,700	-	54,600	-	22,600	-	-	-	<0.5	854	5	28	1	888
1908	1,496,000	-	56,200	-	22,700	-	-	-	<0.5	856	5	29	1	891
1909	1,596,600	-	55,200	-	23,000	-	-	-	<0.5	913	5	29	1	948
1910	51,000	-	23,089	103,911	56,000	-	-	-	<0.5	35	14	79	2	130
1911	-	-	24,543	110,457	13,500	-	-	-	1	6	14	50	1	72
1912	-	-	17,271	77,729	13,500	-	-	-	<0.5	4	10	38	1	53
1913	-	-	196,344	883,656	-	-	-	-	4	51	116	319	1	491
1914	-	-	218,287	982,413	20,000	200,500	-	-	5	56	138	496	2	697

Table 25. Continued.

	Products							Estimated Landed Weight (tonnes)						
			Fresh/Frozen											
Year	Dry Salted (lb)	Pickled (barrels)	Companies (lb)	Fishermen (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1912	-	-	17,271	77,729	13,500	-	-	-	<0.5	4	10	38	1	53
1913	-	-	196,344	883,656	-	-	-	-	4	51	116	319	1	491
1914	-	-	218,287	982,413	20,000	200,500	-	-	5	56	138	496	2	697
1915	-	-	426,776	1,920,725	-	51,400	-	-	9	110	254	725	2	1,100
1916	-	-	2,279,972	10,261,128	-	15,900	-	-	49	589	1,342	3,710	9	5,699
1917	-	-	1,680,123	7,561,477	-	-	-	-	36	434	988	2,727	7	4,192
1918	-	-	1,933,570	8,702,130	45,000	-	-	-	41	499	1,137	3,171	9	4,857
1919	126,000	-	2,895,365	13,030,735	1,900	197,400	-	-	62	819	1,713	4,825	11	7,430
1920	107,000	14	888,511	3,998,789	800	328,800	-	<0.5	19	290	539	1,652	3	2,503
1921	750,100	294	1,113,907	5,013,193	-	265,600	-	4	24	713	673	2,007	4	3,425
1922	1,832,400	143	881,457	3,967,043	-	1,804,500	-	2	19	1,267	609	2,585	3	4,485
1923	2,899,000	281	1,335,100	3,769,900	-	161,800	306,400	-	15	2,468	448	1,315	1	4,247
1924	4,252,300	-	107,500	3,771,400	-	121,000	133,000	-	15	2,612	426	1,260	1	4,314
1925	3,682,400	-	211,900	3,444,000	-	90,300	48,800	-	14	2,198	473	1,144	<0.5	3,829
1926	2,622,000	-	655,900	3,607,600	-	307,200	57,800	-	17	1,705	418	1,515	<0.5	3,655
1927	3,272,200	-	652,600	3,565,300	-	631,700	9,300	-	-	2,118	263	1,819	2	4,202
1928	8,353,200	1,892	1,235,600	1,239,600	-	-	15,800	-	2	4,762	364	996	-	6,124
1929	3,591,900	92	825,600	2,617,400	-	464,500	54,200	-	1	2,096	529	1,325	1	3,952
1930	4,189,600	-	662,400	3,404,900	-	346,200	69,300	-	61	2,452	606	1,354	15	4,488
1931	14,352,100	-	933,000	7,121,700	-	-	70,000	-	60	8,721	806	2,234	1	11,822
1932	2,790,100	-	679,000	4,574,100	-	-	-	103	26	1,895	504	1,435	1	3,964

a. Product amounts are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E.

Table 26. Fraser River salmon and steelhead production by product category (excluding canned product) and estimates of equivalent landed weights, 1828 to 1932.[a]

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (lb)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelh	Total
			Companies (lb)	Fishermen (lb)										
1828	-	5,760	-	-	-	-	-	-	-	-	3	1		4
1829	-	18,000	-	-	-	-	-	10	-	-	1	2	-	13
1830	-	36,000	-	-	-	-	-	20	-	-	1	4	-	25
1831	-	54,000	-	-	-	-	-	29	-	-	2	6	-	37
1832	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1833	-	48,600	-	-	-	-	-	26	-	-	2	5	-	33
1834	-	10,350	-	-	-	-	-	6	-	-	0	1	-	7
1835	-	126,780	-	-	-	-	-	69	-	-	4	13	-	86
1836	-	36,000	-	-	-	-	-	20	-	-	1	4	-	25
1837	-	81,180	-	-	-	-	-	44	-	-	3	8	-	55
1838	-	107,460	-	-	-	-	-	58	-	-	4	11	-	73
1839	-	72,000	-	-	-	-	-	39	-	-	2	7	-	48
1840	-	54,000	-	-	-	-	-	29	-	-	2	6	-	37
1841	-	97,200	-	-	-	-	-	53	-	-	3	10	-	66
1842	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1843	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1844	-	160,200	-	-	-	-	-	87	-	-	5	16	-	108
1845	-	144,000	-	-	-	-	-	78	-	-	5	15	-	98
1846	-	288,000	-	-	-	-	-	157	-	-	10	29	-	196
1847	-	249,300	-	-	-	-	-	136	-	-	8	25	-	169
1848	-	306,540	-	-	-	-	-	167	-	-	10	31	-	208
1849	-	469,800	-	-	-	-	-	256	-	-	16	48	-	320
1850	-	288,000	-	-	-	-	-	157	-	-	10	29	-	196
1851	-	171,000	-	-	-	-	-	93	-	-	6	17	-	116

Table 26. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (lb)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelh	Total
			Companies (lb)	Fishermen (lb)										
1852	-	329,760	-	-	-	-	-	179	-	-	11	34	-	224
1853	-	360,000	-	-	-	-	-	196	-	-	12	37	-	245
1854	-	360,000	-	-	-	-	-	196	-	-	12	37	-	245
1855	-	81,000	-	-	-	-	-	44	-	-	3	8	-	55
1856	-	91,800	-	-	-	-	-	50	-	-	3	9	-	62
1857	-	107,820	-	-	-	-	-	59	-	-	4	11	-	74
1858	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1859	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1860	-	108,000	-	-	-	-	-	29	-	-	21	23	-	73
1861	-	217,000	-	-	-	-	-	59	-	-	42	47	-	148
1862	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1863	-	5,600	-	-	-	-	-	2	-	-	1	1	-	4
1864	-	19,600	-	-	-	-	-	5	-	-	4	4	-	13
1865	-	125,600	-	-	-	-	-	34	-	-	24	27	-	85
1866	-	111,800	-	-	-	-	-	30	-	-	22	24	-	76
1867	-	95,600	-	-	-	-	-	26	-	-	18	21	-	65
1868	-	249,000	-	-	-	-	-	68	-	-	48	54	-	170
1869	-	195,000	-	-	-	-	-	53	-	-	38	42	-	133
1870	-	474,200	-	-	-	-	-	129	-	-	92	102	-	323
1871	-	113,800	-	-	-	-	-	31	-	-	22	24	-	77
1872	-	150,000	-	-	-	-	-	41	-	-	29	32	-	102
1873	-	800,000	-	-	-	-	-	218	-	-	155	172	-	545
1874	-	524,800	-	-	-	-	-	143	-	-	101	113	-	357
1875	-	181,400	-	-	-	-	-	49	-	-	35	39	-	123

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Table 26. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen		Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelh	Total
			Companies (lb)	Fishermen (lb)										
1876	-	481	-	-	-	-	-	26	-	-	19	21	-	66
1877	-	3,451	-	-	-	-	-	188	-	-	133	148	-	469
1878	-	5,051	-	-	-	-	-	275	-	-	195	217	-	687
1879	-	675	15,000	-	7,500	-	-	37	-	-	27	41	<0.5	105
1880	-	434	276,780	-	-	-	-	24	-	-	41	118	2	185
1881	-	3,492	1,538,000	-	-	-	-	195	-	-	212	758	8	1,173
1882	-	3,308	59,000	53,600	1,182	-	-	180	<0.5	1	142	178	<0.5	501
1883	-	743	427,000	595,000	3,571	-	-	42	1	14	154	353	2	566
1884	-	708	763,560	667,000	17,000	-	-	39	2	15	211	486	5	758
1885	-	2,218	920,000	777,000	14,000	-	-	124	2	18	268	666	5	1,083
1886	-	1,163	409,450	90,000	18,700	-	-	63	<0.5	2	97	234	3	399
1837	-	300	1,331,000	205,000	20,600	-	-	21	<0.5	5	114	607	7	754
1888	-	262	1,669,000	-	1,500	-	-	15	-	-	157	612	11	795
1889	-	2,679	1,828,000	-	9,700	-	-	152	-	-	195	846	9	1,202
1890	-	1,179	1,503,000	-	19,300	-	-	65	-	-	177	606	10	858
1891	-	870	1,753,853	-	61,300	-	-	53	-	-	121	778	9	961
1892	-	1,120	2,047,009	-	69,300	-	-	61	-	-	223	837	13	1,134
1893	-	3,966	2,736,000	-	91,000	-	-	225	-	-	290	1,323	14	1,852
1894	-	1,800	1,250,000	-	20,000	-	-	98	-	-	179	542	8	827
1895	-	1,068	1,522,392	-	8,000	-	-	63	-	-	117	654	8	842
1896	-	793	902,595	-	8,000	-	-	43	-	-	110	365	6	524
1897	600,000	1,886	1,472,000	-	48,469	-	-	107	-	340	146	701	7	1,301
1898	4,000,000	250	501,000	-	75,000	-	-	14	-	2,268	54	249	3	2,588
1899	3,000,000	400	1,450,500	-	80,000	-	-	26	-	1,701	88	653	7	2,475
1900	5,700,000	500	1,175,500	-	80,000	-	-	27	-	3,232	122	505	8	3,894
1901	6,460,207	3,526	1,523,000	-	80,000	-	-	52	720	2,881	272	963	7	4,895
1902	8,632,148	2,250	1,470,540	-	95,550	-	-	31	8	4,979	242	674	8	5,942
1903	5,390,600	1,800	1,650,000	-	155,250	-	-	29	606	2,420	178	929	7	4,169
1904	11,984,945	1,600	1,805,000	-	100,000	-	-	22	10	6,898	230	739	10	7,909
1905	9,700,000	2,200	7,500,000	-	120,000	-	-	51	1,115	4,554	461	3,080	33	9,294
1906	7,990,000	1,000	3,454,000	-	100,000	-	-	14	9	4,735	320	1,213	19	6,310

Table 26. Continued

Year	Products							Estimated Landed Weight (tonnes)						
	Dry Salted (lb)	Pickled (barrels)	Fresh/Frozen Company (lb)	Fresh/Frozen Fishers (lb)	Smoked (lb)	Mild Cured (lb)	Bait (lb)	Sockeye	Pink	Chum	Coho	Chinook	Steelh	Total
1907	6,500,000	-	3,600,000	-	120,000	-	-	10	739	2,989	160	1,497	16	5,411
1908	2,330,000	-	2,089,750	-	150,000	-	-	<0.5	6	1,446	159	762	12	2,385
1909	3,500,000	-	2,800,000	-	200,000	-	-	8	407	1,647	124	1,210	12	3,408
1910	6,882,700	-	2,670,116	756,184	400,000	-	-	1	17	4,078	335	1,319	15	5,765
1911	7,054,400	-	4,551,735	1,289,065	79,700	-	-	13	808	3,302	428	2,138	21	6,710
1912	11,866,800	-	4,439,672	1,257,328	120,600	3,600,200	-	1	88	7,020	742	3,979	25	11,855
1913	9,244,500	-	4,978,246	1,409,854	182,500	3,800	-	15	1,054	4,277	469	2,445	23	8,283
1914	8,971,000	450	3,780,618	1,070,682	50,400	38,500	-	1	11	5,335	506	1,538	21	7,412
1915	1,173,500	535	13,176,015	3,731,485	6,100	-	-	39	222	1,174	1,274	5,643	60	8,412
1916	550,000	-	11,376,299	3,221,801	31,700	10,800	-	3	14	1,076	1,429	4,378	64	6,964
1917	372,300	-	8,614,226	2,439,574	68,400	-	-	26	103	596	811	3,704	39	5,279
1918	-	-	6,198,630	1,755,470	98,000	50,700	-	2	11	416	781	2,473	35	3,718
1919	-	-	14,387,748	4,074,652	154,800	-	-	43	105	724	1,354	6,203	66	8,495
1920	2,543,000	53	6,416,211	1,817,089	79,800	51,800	-	2	12	1,871	812	2,547	36	5,280
1921	3,148,600	-	6,804,146	1,926,954	121,100	70,500	-	20	398	1,714	644	3,080	31	5,887
1922	4,544,500	1,760	9,200,961	2,605,739	93,500	-	-	3	15	3,192	1,269	3,713	52	8,244
1923	4,240,200	85	5,882,900	4,917,300	27,900	418,500	4,000	2	843	1,925	1,313	3,524	15	7,622
1924	6,688,900	58	13,691,100	3,294,300	47,800	305,700	-	1	15	6,587	1,465	3,609	72	11,749
1925	3,418,200	-	7,921,896	2,243,504	64,500	131,300	-	1	110	1,666	587	4,306	18	6,688
1926	2,289,900	-	6,024,700	1,166,700	71,400	203,900	-	<0.5	3	1,353	394	2,990	14	4,754
1927	736,700	100	8,044,480	2,278,220	43,200	102,600	-	-	-	806	955	3,396	61	5,218
1928	1,967,800	-	9,641,967	2,730,633	53,600	342,000	-	-	8	1,848	1,901	3,143	102	7,002
1929	902,700	-	6,045,400	3,188,100	43,800	659,100	-	60	186	1,338	1,177	2,368	52	5,181
1930	1,898,500	-	9,612,000	1,992,800	132,800	509,200	-	62	104	2,146	1,590	2,787	122	6,811
1931	10,855,700	-	4,505,200	837,800	17,500	429,700	-	127	2,197	3,629	473	2,360	46	8,832
1932	3,282,400	-	1,808,200	1,793,400	26,300	598,700	400	59	129	2,143	514	2,239	69	5,153

a. Data for 1828-1875 from Table 6. Data for 1876-1932 are from DMF and DBS Annual Reports as discussed in Appendix B and Sections 3.1.1 and 3.2.3 in Appendix E; detailed methods for estimating landed weight described in Appendices D and E. Note pickled fish quantities for 1828-1875 in pounds, and in barrels for 1876-1932. In 1905, the fresh/frozen category includes 2,000,000 lbs of exported salmon the majority of which were reported to be sockeye. In 1911, 35,000 cwt of dried salmon were excluded from the calculations. In 1915, the fresh/frozen category includes quantities of salmon listed in the Annual Reports as "exported". These fish were mostly chum and coho. The amounts of fresh/frozen by fishermen in 1925, 1927, 1928 were estimated as the product of the average proportion put up by fishermen in 1923, 1924, 1926, 1929 and 1930 from Table E14 and total amounts fresh/frozen in 1925,1927 and 1928 from DBS reports.

Table 27. Comparison of B.C. product and canned pack amounts from Statistical Basebook No. 3 (Anonymous 1958) with product and canned pack amounts from Tables 7-26.
The column titled "Ratio" equals Basebook data divided by data from this report.

Year	Dry Salted			Pickled			Fresh/Frozen			Smoked			Mild Cured			Bait			Canned		
	Base-book	This Rept.	Ratio	Base-book	This Rept.	Ratio	Base-book	This Rept.	Ratio	Base-book	This Rept.	Ratio	Base-book	This Rept.	Ratio	Base-book	This Rept.	Ratio	Base-book[c]	This Rept.	Ratio
	('000 lb)			(barrrels)			('000 lb)			('000 lb)			(tierces)			('000 lb)			(cases)		
1876	-	-		-	481		- -	-		-	-		-	-		-	-		9847	10647	0.92
1877	-	-		3561	3561	1.00	- -	-		-	8		-	-		-	-		67387	67387	1.00
1878	-	-		5465	5465	1.00	- -	-		17	27	0.64	-	-		-	-		113602	113602	1.00
1879	-	-		2159	2177	0.99	15	15	1.00	22	32	0.69	-	-		-	-		61093	61094	1.00
1880	-	-		2487	2498	1.00	28 [a]	277	1.01	-	9		-	-		-	-		61849	61851	1.00
1881	-	-		4916	4917	1.00	154 [a]	1538	1.00	-	13		-	-		-	-		177276	177278	1.00
1882	-	-		5056	5056	1.00	113	113	1.00	-	15		-	-		-	-		255061	255061	1.00
1883	-	-		4717	4697	1.00	110 [a]	1102	1.00	399	399	1.00	-	-		-	-		196292	196295	1.00
1884	-	-		5636	5637	1.00	173 [a]	1731	1.00	367	367	1.00	-	-		-	-		141242	141247	1.00
1885	-	-		3468	3468	1.00	205 [a]	2047	1.00	370	370	1.00	-	-		-	-		108517	108518	1.00
1886	-	-		3066	2906	1.06	826	822	1.00	23	23	1.01	-	-		-	-		161270	161270	1.00
1887	-	-		4459	4459	1.00	2229	2172	1.03	31	31	1.00	-	-		-	-		204083	204137	1.00
1888	-	-		4241	4241	1.00	2477	2477	1.00	13	13	0.97	-	-		-	-		184040	184047	1.00
1889	-	-		3749	3746	1.00	2187	2187	1.00	13	13	1.01	-	-		-	-		419211	419216	1.00
1890	-	-		2994	2994	1.00	1174	1739	0.68	58	58	0.99	-	-		-	-		414500	414548	1.00
1891	-	-		1353	1353	1.00	2091	2091	1.00	121	121	1.00	-	-		-	-		316054	314185	1.01
1892	-	-		2348	2348	1.00	2936	2942	1.00	136	136	1.00	-	-		-	-		239346	248726	0.96
1893	-	-		5688	5688	1.00	3594	3594	1.00	143	143	1.00	-	-		-	-		607706	607702	1.00
1894	-	-		4825	4825	1.00	1970	1970	1.00	60	61	0.99	-	-		-	-		492232	492235	1.00
1895	-	-		3148	3148	1.00	1796	1796	1.00	47	47	1.01	-	-		-	-		600981	600984	1.00
1896	-	-		2413	2413	1.00	1230	1230	1.00	41	41	0.99	-	-		-	-		621939	617792	1.01
1897	600	600	1.00	5011	5021	1.00	1814	1815	1.00	86	95	0.91	-	-		-	-		1026546	1026549	1.00
1898	4000	4000	1.00	2600	2600	1.00	915	915	1.00	201	201	1.00	-	-		-	-		492551	492557	1.00
1899	3000	3000	1.00	3450	3450	1.00	1874	1874	1.00	212	212	1.00	-	-		-	-		759248	759257	1.00
1900	5700	5700	1.00	4950	4950	1.00	1728	1728	1.00	301	301	1.00	-	-		-	-		606530	606544	1.00
1901	6476	6476	1.00	7931	7931	1.00	2129	2129	1.00	301	296	1.02	-	-		-	-		1247212	1247212	1.00
1902	10457	10457	1.00	6680	6680	1.00	2196	2196	1.00	389	389	1.00	-	-		-	-		627162	627162	1.00
1903	6326	6326	1.00	7075	7075	1.00	2507	2514	1.00	511	511	1.00	-	-		-	-		473847	473848	1.00

Table 27. Continued

Year	Dry Salted			Pickled			Fresh/Frozen			Smoked			Mild Cured			Bait			Canned		
	Base-book ('000 lb)	This Rept.	Ratio	Base-book (barrels)	This Rept.	Ratio	Base-book ('000 lb)	This Rept.	Ratio	Base-book ('000 lb)	This Rept.	Ratio	Base-book (tierces)	This Rept.	Ratio	Base-book ('000 lb)	This Rept.	Ratio	Base-book (cases)	This Rept.	Ratio
1904	15120	15120	1.00	6250	6250	1.00	2548	2548	1.00	432	432	1.00	-	-		-	-		465894	465893	1.00
1905	15495	14495	1.07	5220	5220	1.00	8457	8457	1.00	446	446	1.00	-	-		-	-		1167822	1167822	1.00
1906	14503	13500	1.07	2180	2180	1.00	5156	5156	1.00	426	426	1.00	-	957		-	-		629460	629458	1.00
1907	12852	12052	1.07	980	980	1.00	5659	5658	1.00	418	265	1.58	1065	1167	0.91	-	-		542266	542948	1.00
1908	8994	8094	1.11	1254	1254	1.00	3625	3635	1.00	428	429	1.00	1046	1060	0.99	-	-		566303	566303	1.00
1909	13009	10274	1.27	-	1060		4291	4291	1.00	348	372	0.94	1540	1560	0.99	-	-		993066	993060	1.00
1910	12243	12243	1.00	-	-		5014	5014	1.00	1615	1615	1.00	2289	2289	1.00	-	-		800231	800230	1.00
1911	10720	10720	1.00	-	-		7591	7591	1.00	394	394	1.00	1965	1966	1.00	-	-		989911	989911	1.00
1912	13400	13400	1.00	-	-		8444	8444	1.00	502	502	1.00	6380	6381	1.00	-	-		1050357	1050357	1.00
1913	12344	12345	1.00	-	-		11830	11830	1.00	1352	1353	1.00	3150	3150	1.00	-	-		1400252	1391252	1.01
1914	11843	11843	1.00	900 [b]	450	2.00	21410	21410	1.00	790	790	1.00	3296	3297	1.00	-	-		1134830	1134827	1.00
1915	3137	3137	1.00	1070 [b]	535	2.00	35070	35070	1.00	438	438	1.00	1289	1288	1.00	-	-		1133381	1133440	1.00
1916	1391	1391	1.00	-	-		31950	31950	1.00	89	89	1.00	1848	1848	1.00	-	-		995065	995065	1.00
1917	1267	1267	1.00	-	-		26207	26207	1.00	142	142	1.00	1076	1076	1.00	-	-		1557485	1557483	1.00
1918	40	40	1.00	-	-		25480	25480	1.00	170	170	1.00	1328	1327	1.00	-	-		1633238	1633236	1.00
1919	824	824	1.00	-	-		44178	44178	1.00	715	715	1.00	733	733	1.00	-	-		1394086	1394088	1.00
1920	3364	3365	1.00	134 [b]	67	2.00	19852	19852	1.00	266	266	1.00	1115	1115	1.00	-	-		1188381	1188380	1.00
1921	6420	6421	1.00	595 [b]	298	2.00	23771	23771	1.00	129	129	1.00	1225	1225	1.00	-	-		602657	602653	1.00
1922	9667	9667	1.00	3807 [b]	1903	2.00	25153	25153	1.00	126	126	1.00	3461	3462	1.00	-	-		1290326	1290327	1.00
1923	10312	10312	1.00	732 [b]	366	2.00	22809	22809	1.00	37	37	0.99	1828	1828	1.00	480	480	1.00	1341677	1341679	1.00
1924	15519	15519	1.00	3224 [b]	1611	2.00	27219	27219	1.00	64	64	1.00	1975	1974	1.00	322	322	1.00	1747505	1747718	1.00
1925	13845	13845	1.00	450 [b]	225	2.00	20432	20432	1.00	66	66	1.01	3471	3471	1.00	51	51	1.00	1720622	1720622	1.00
1926	13986	13986	1.00	1584 [b]	792	2.00	18930	18930	1.00	83	83	1.00	1744	1744	1.00	89	89	1.00	2065955	2065958	1.00
1927	8117	8117	1.00	384 [b]	192	2.00	21001	21010	1.00	43	43	1.00	2740	2739	1.00	9	9	0.97	1361977	1361977	1.00
1928	17025	17025	1.00	10520 [b]	5260	2.00	25313	25313	1.00	54	54	1.01	2684	2683	1.00	16	16	1.01	2035637	2035630	1.00
1929	7736	7736	1.00	233 [b]	117	1.99	20631	20631	1.00	44	44	1.00	2739	2739	1.00	54	54	1.00	1398857	1398857	1.00

a. Numbers of fish in thousands; numbers multiplied by 10 lb to convert to weight.

b. Hundred weight (cwt).

c 1876 from Table 16 remainder from Table 14 in Anonymous (1958)

Table 28. Queen Charlotte Islands commercial salmon and steelhead landings from schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinoo	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinoo	Stlhd	Total
1930	274,393	10	179,931	78,513	11,670	7,531	-	277,655	0.9883	<0.5	8,161	3,561	529	342	-	12,593
1931	20,423	-	14	15,231	8,802	13,841	-	37,888	0.5390	-	1	691	399	628	-	1,719
1932	6,747	2	2,030	298	14,275	13,374	-	29,979	0.2251	<0.5	92	14	647	607	-	1,360
1933	72,884	-	5	42,544	8,243	22,242	-	73,034	0.9979	-	<0.5	1,930	374	1,009	-	3,313
1934	172,737	9	64,312	70,379	15,451	22,587	-	172,738	1.0000	<0.5	2,917	3,192	701	1,025	-	7,835
1935	116,462	-	1,272	86,523	16,148	12,519	-	116,462	1.0000	-	58	3,925	732	568	-	5,283
1936	175,463	60	72,487	72,201	19,674	11,041	-	175,463	1.0000	3	3,288	3,275	892	501	-	7,959
1937	107,956	2	48	79,716	11,685	18,543	-	109,994	0.9815	<0.5	2	3,616	530	841	-	4,989
1938	136,001	85	48,515	45,342	26,627	10,175	-	130,744	1.0402	4	2,201	2,057	1,208	462	-	5,932
1939	60,775	107	22	38,025	12,428	8,495	-	59,077	1.0287	5	1	1,725	564	385	-	2,680
1940	202,400	39	37,175	141,536	19,062	4,588	-	202,400	1.0000	2	1,686	6,420	865	208	-	9,181
1941	111,341	119	452	63,321	36,219	11,219	-	111,330	1.0001	5	21	2,872	1,643	509	-	5,050
1942	147,004	1	67,257	44,307	25,381	10,025	33	147,004	1.0000	<0.5	3,051	2,010	1,151	455	1	6,668
1943	61,312	28	387	32,501	19,350	9,044	2	61,312	1.0000	1	18	1,474	878	410		2,781
1944	167,270	120	46,006	67,668	25,293	5,021	1	144,109	1.1607	5	2,087	3,069	1,147	228	<0.5	6,536
1945	50,034	2	3,772	13,056	26,450	6,754	-	50,034	1.0000	<0.5	171	592	1,200	306	-	2,269
1946	79,588	8	9,025	37,333	22,832	10,379	11	79,588	1.0000	<0.5	409	1,693	1,036	471	<0.5	3,609
1947	37,802	-	1,074	14,711	15,046	6,968	3	37,802	1.0000	-	49	667	682	316	<0.5	1,714
1948	120,517	15	40,550	57,981	15,287	6,684	-	120,517	1.0000	1	1,839	2,630	693	303	-	5,466
1949	59,291	-	3,162	34,920	15,924	5,283	2	59,291	1.0000	-	143	1,584	722	240	<0.5	2,689
1950	245,230	67	75,993	144,429	17,323	7,405	13	245,230	1.0000	3	3,447	6,551	786	336	1	11,124

a. 1930-1944 "Green Landed Weight" calculated by DMF from product and canned pack statistics on Schedules; 1945-1950 "Green Landed Weight" from Schedule 1A forms that are summarized in Appendix F, Table F51. Transfers accounted for in all years.

Table 29. Nass River commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	95,306	22,256	78,786	3,721	10,363	6,811	160	122,097	0.7806	1,010	3,574	169	470	309	7	5,539
1931	12,595	14,221	5,522	655	11,556	4,140	178	36,272	0.3472	645	250	30	524	188	8	1,645
1932	71,964	19,716	43,612	12,668	39,566	9,659	418	125,639	0.5728	894	1,978	575	1,795	438	19	5,699
1933	95,183	8,545	48,235	2,341	25,837	10,093	132	95,183	1.0000	388	2,188	106	1,172	458	6	4,318
1934	113,434	30,443	31,757	4,673	37,693	8,607	261	113,434	1.0000	1,381	1,440	212	1,710	390	12	5,145
1935	86,046	10,678	21,483	14,844	31,911	7,010	120	86,046	1.0000	484	974	673	1,447	318	5	3,901
1936	162,490	23,675	72,915	19,139	34,929	11,405	427	162,490	1.0000	1,074	3,307	868	1,584	517	19	7,369
1937	63,024	14,840	7,268	9,413	19,448	6,919	229	58,117	1.0844	673	330	427	882	314	10	2,636
1938	116,731	18,266	52,297	12,837	29,049	4,124	158	116,731	1.0000	829	2,372	582	1,318	187	7	5,295
1939	60,725	19,540	23,880	2,093	11,462	3,736	14	60,725	1.0000	886	1,083	95	520	169	1	2,754
1940	63,612	11,071	24,343	4,751	19,618	3,679	150	63,612	1.0000	502	1,104	216	890	167	7	2,886
1941	62,490	19,903	18,653	4,803	13,483	5,315	331	62,488	1.0000	903	846	218	612	241	15	2,835
1942	99,884	19,577	43,338	10,160	20,673	5,584	496	99,828	1.0006	888	1,966	461	938	253	22	4,528
1943	57,002	12,829	15,268	7,616	17,411	3,572	306	57,002	1.0000	582	693	345	790	162	14	2,586
1944	69,898	10,040	28,784	8,890	18,907	2,971	306	69,898	1.0000	455	1,306	403	858	135	14	3,171
1945	74,887	7,442	29,242	4,118	26,321	7,577	187	74,887	1.0000	338	1,326	187	1,194	344	8	3,397
1946	56,017	10,756	7,526	13,170	15,606	8,704	255	56,017	1.0000	488	341	597	708	395	12	2,541
1947	40,748	8,169	4,800	8,764	11,465	7,374	176	40,748	1.0000	371	218	398	520	334	8	1,849
1948	46,667	9,868	8,472	6,739	14,942	6,484	162	46,667	1.0000	448	384	306	678	294	7	2,117
1949	54,101	6,900	28,885	6,350	7,428	4,220	318	54,101	1.0000	313	1,310	288	337	191	14	2,453
1950	56,541	17,900	15,900	12,400	7,850	2,210	281	56,541	1.0000	812	721	562	356	100	13	2,564

a. 1930-1944 "Green Landed Weight" calculated by DMF from product and canned pack statistics on Schedules; 1945-1950 "Green Landed Weight" from Schedule 1A forms that are summarized in Appendix F, Table F51. Transfers accounted for in all years.

Table 30. Skeena River commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	457,911	109,990	167,020	3,364	28,818	35,931	2,975	348,098	1.3155	4,989	7,576	153	1,307	1,630	135	15,790
1931	209,374	78,067	38,052	5,285	14,299	16,447	4,775	156,925	1.3342	3,541	1,726	240	649	746	217	7,119
1932	251,791	44,853	28,045	25,667	19,195	29,961	5,022	152,743	1.6485	2,034	1,272	1,164	871	1,359	228	6,928
1933	139,368	23,266	67,277	10,192	19,887	15,536	3,210	139,368	1.0000	1,055	3,052	462	902	705	146	6,322
1934	120,691	45,917	23,752	5,657	19,990	21,210	4,250	120,776	0.9993	2,083	1,077	257	907	962	193	5,479
1935	167,159	44,478	69,656	8,268	28,803	13,860	2,094	167,159	1.0000	2,017	3,160	375	1,306	629	95	7,582
1936	173,189	69,566	64,629	12,038	32,141	9,193	2,158	189,725	0.9128	3,155	2,932	546	1,458	417	98	8,606
1937	115,736	34,485	48,751	9,289	21,560	10,804	1,504	126,393	0.9157	1,564	2,211	421	978	490	68	5,732
1938	168,703	39,601	59,479	12,706	43,573	10,366	2,978	168,703	1.0000	1,796	2,698	576	1,976	470	135	7,651
1939	180,982	54,978	74,914	5,875	30,845	13,054	1,516	181,182	0.9989	2,494	3,398	266	1,399	592	69	8,218
1940	164,481	93,299	38,746	4,020	17,474	8,445	2,488	164,472	1.0001	4,232	1,757	182	793	383	113	7,460
1941	166,883	64,983	42,509	9,748	39,171	7,932	2,538	166,881	1.0000	2,948	1,928	442	1,777	360	115	7,570
1942	114,399	23,989	39,720	8,641	31,308	8,234	2,507	114,399	1.0000	1,088	1,802	392	1,420	373	114	5,189
1943	109,880	20,669	44,336	6,243	30,419	6,482	1,731	109,880	1.0000	938	2,011	283	1,380	294	79	4,985
1944	134,912	51,051	37,018	5,995	26,106	12,010	2,732	134,912	1.0000	2,316	1,679	272	1,184	545	124	6,120
1945	186,408	78,091	56,337	7,560	34,762	8,090	1,568	186,408	1.0000	3,542	2,555	343	1,577	367	71	8,455
1946	112,199	39,619	9,533	13,719	33,184	11,758	4,386	112,199	1.0000	1,797	432	622	1,505	533	199	5,088
1947	72,917	24,399	10,826	8,111	15,590	12,148	1,843	72,917	1.0000	1,107	491	368	707	551	84	3,308
1948	171,082	75,992	44,192	10,597	23,562	12,875	3,864	171,082	1.0000	3,447	2,005	481	1,069	584	175	7,761
1949	123,082	49,127	26,672	5,110	25,493	15,532	1,148	123,082	1.0000	2,228	1,210	232	1,156	705	52	5,583
1950	82,732	33,735	18,140	9,950	11,000	8,017	1,890	82,732	1.0000	1,530	823	451	499	364	86	3,753

a. 1930-1944 "Green Landed Weight" calculated by DMF from product and canned pack statistics on Schedules; 1945-1950 "Green Landed Weight" from Schedule 1A for forms that are summarized in Appendix F, Table F51. Transfers accounted for in all years.

Table 31. North Coast commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	456,290	29,444	371,773	82,750	38,488	4,036	1,082	527,573	0.8649	1,336	16,863	3,753	1,746	183	49	23,930
1931	174,905	15,867	96,126	62,999	18,276	5,460	658	199,386	0.8772	720	4,360	2,858	829	248	30	9,045
1932	259,849	20,415	58,003	137,736	26,544	1,761	1,102	245,561	1.0582	926	2,631	6,248	1,204	80	50	11,139
1933	239,504	24,667	94,751	85,909	28,268	2,302	713	236,610	1.0122	1,119	4,298	3,897	1,282	104	32	10,732
1934	273,347	20,607	140,636	62,185	41,877	3,347	586	269,238	1.0153	935	6,379	2,821	1,899	152	27	12,213
1935	249,434	22,120	75,436	108,904	35,785	1,671	311	244,227	1.0213	1,003	3,422	4,940	1,623	76	14	11,078
1936	385,411	23,088	210,534	78,016	47,227	5,488	325	364,678	1.0569	1,047	9,550	3,539	2,142	249	15	16,542
1937	246,747	27,918	81,696	96,642	28,536	7,194	542	242,528	1.0174	1,266	3,706	4,384	1,294	326	25	11,001
1938	310,550	31,343	108,748	106,322	55,601	4,531	365	306,910	1.0119	1,422	4,933	4,823	2,522	206	17	13,923
1939	253,579	20,756	128,371	62,642	37,625	3,847	338	253,579	1.0000	941	5,823	2,841	1,707	174	15	11,501
1940	160,530	19,038	34,675	61,479	42,182	2,685	327	160,386	1.0009	864	1,573	2,789	1,913	122	15	7,276
1941	195,540	16,773	49,048	87,534	39,978	1,936	264	195,533	1.0000	761	2,225	3,970	1,813	88	12	8,869
1942	171,464	14,930	58,404	61,876	34,974	1,722	318	172,224	0.9956	677	2,649	2,807	1,586	78	14	7,811
1943	360,168	13,127	227,713	88,099	28,040	2,777	412	360,168	1.0000	595	10,329	3,996	1,272	126	19	16,337
1944	240,978	23,378	125,426	62,810	26,839	1,954	548	240,955	1.0001	1,060	5,689	2,849	1,217	89	25	10,929
1945	461,971	19,705	290,374	107,238	41,126	3,077	451	461,971	1.0000	894	13,171	4,864	1,865	140	20	20,954
1946	309,474	10,520	73,274	184,329	31,955	8,606	790	309,474	1.0000	477	3,324	8,361	1,449	390	36	14,037
1947	372,633	13,631	84,860	226,882	38,644	8,257	359	372,633	1.0000	618	3,849	10,291	1,753	375	16	16,902
1948	378,052	17,394	130,778	183,926	38,203	6,936	815	378,052	1.0000	789	5,932	8,343	1,733	315	37	17,149
1949	315,519	11,551	141,862	112,853	42,956	5,881	416	315,519	1.0000	524	6,435	5,119	1,948	267	19	14,312
1950	344,256	19,152	127,698	158,500	29,656	8,465	785	344,256	1.0000	869	5,792	7,189	1,345	384	36	15,615

a. 1930-1944 "Green Landed Weight" calculated by DMF from product and canned pack statistics on Schedules; 1945-1950 "Green Landed Weight" from Schedule 1As forms that are summarized in Appendix F, Table F51. Transfers accounted for in all years.

Table 32. Rivers Inlet and Smith Inlet commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	154,876	128,951	13,265	11,420	8,532	1,105	161	163,434	0.9476	5,849	602	518	387	50	7	7,413
1931	81,665	78,863	1,931	8,249	6,544	394	70	96,051	0.8502	3,577	88	374	297	18	3	4,357
1932	111,030	82,159	3,882	16,585	10,016	672	52	113,366	0.9794	3,727	176	752	454	30	2	5,141
1933	126,272	100,436	9,791	7,496	7,622	799	128	126,272	1.0000	4,556	444	340	346	36	6	5,728
1934	100,467	75,242	2,459	12,074	9,966	624	102	100,467	1.0000	3,413	112	548	452	28	5	4,558
1935	173,137	140,016	7,531	16,783	8,044	709	53	173,136	1.0000	6,351	342	761	365	32	2	7,853
1936	73,526	49,374	3,039	12,052	8,480	516	66	73,527	1.0000	2,240	138	547	385	23	3	3,336
1937	120,424	90,638	6,947	15,782	5,498	1,004	75	119,944	1.0040	4,111	315	716	249	46	3	5,440
1938	141,032	102,673	9,053	13,280	14,672	1,226	128	141,032	1.0000	4,657	411	602	666	56	6	6,398
1939	91,254	58,307	11,908	5,961	13,672	1,190	142	91,180	1.0008	2,645	540	270	620	54	6	4,135
1940	101,443	71,313	3,268	12,468	13,054	1,267	73	101,443	1.0000	3,235	148	566	592	57	3	4,601
1941	137,014	92,273	4,446	18,561	20,132	1,456	142	137,010	1.0000	4,185	202	842	913	66	6	6,214
1942	103,392	76,050	1,185	17,091	8,224	794	48	103,392	1.0000	3,450	54	775	373	36	2	4,690
1943	92,835	53,879	14,203	14,332	9,328	959	134	92,835	1.0000	2,444	644	650	423	43	6	4,210
1944	54,290	30,649	4,754	6,264	11,871	680	72	54,290	1.0000	1,390	216	284	538	31	3	2,462
1945	117,090	76,344	9,278	15,463	14,840	895	270	117,090	1.0000	3,463	421	701	673	41	12	5,311
1946	111,459	64,421	1,696	36,820	7,276	937	309	111,459	1.0000	2,922	77	1,670	330	43	14	5,056
1947	167,129	131,920	8,056	21,826	4,321	769	237	167,129	1.0000	5,984	365	990	196	35	11	7,581
1948	73,684	36,091	7,478	20,271	8,445	972	427	73,684	1.0000	1,637	339	919	383	44	19	3,341
1949	72,866	39,728	11,920	14,506	5,348	1,100	264	72,866	1.0000	1,802	541	658	243	50	12	3,306
1950	189,770	131,716	14,262	34,826	7,052	1,629	285	189,770	1.0000	5,975	647	1,580	320	74	13	8,609

a. 1930-1944 "Green Landed Weight" calculated by DMF from product and canned pack statistics on Schedules; 1945-1950 "Green Landed Weight" from Schedule 1As forms that are summarized in Appendix F, Table F51. Transfers accounted for in all years.

Table 33. Johnstone Strait commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	139,949	14,410	86,307	14,888	17,744	6,572	27	139,948	1.0000	654	3,915	675	805	298	1	6,348
1931	112,308	6,778	47,744	36,365	17,622	3,766	34	112,309	1.0000	307	2,166	1,649	799	171	2	5,094
1932	121,025	7,288	36,586	51,617	21,751	3,751	33	121,026	1.0000	331	1,660	2,341	987	170	1	5,490
1933	179,403	5,186	105,608	28,890	35,644	4,047	28	179,403	1.0000	235	4,790	1,310	1,617	184	1	8,137
1934	237,388	7,273	92,789	85,760	44,205	7,334	26	237,387	1.0000	330	4,209	3,890	2,005	333	1	10,768
1935	306,236	14,030	124,951	96,678	62,118	8,432	28	306,237	1.0000	636	5,668	4,385	2,818	382	1	13,890
1936	308,070	29,454	60,763	146,581	53,160	13,022	139	303,119	1.0163	1,336	2,756	6,649	2,411	591	6	13,749
1937	446,903	34,583	253,855	105,516	30,581	9,312	95	433,942	1.0299	1,569	11,515	4,786	1,387	422	4	19,683
1938	229,487	20,553	57,360	95,961	46,543	8,353	121	228,891	1.0026	932	2,602	4,353	2,111	379	5	10,382
1939	321,153	13,277	169,201	81,666	46,371	3,870	138	314,523	1.0211	602	7,673	3,704	2,103	176	6	14,264
1940	317,735	21,993	38,518	206,411	45,163	5,394	256	317,735	1.0000	998	1,747	9,363	2,049	245	12	14,414
1941	464,074	36,714	126,111	231,091	62,954	7,090	114	464,074	1.0000	1,665	5,720	10,482	2,856	322	5	21,050
1942	232,166	51,100	12,787	109,503	47,335	11,253	188	232,166	1.0000	2,318	580	4,967	2,147	510	9	10,531
1943	230,116	2,550	94,618	95,084	33,292	4,482	90	230,116	1.0000	116	4,292	4,313	1,510	203	4	10,438
1944	156,174	4,683	42,256	59,859	39,287	6,944	147	153,176	1.0196	212	1,917	2,715	1,782	315	7	6,948
1945	367,004	5,022	162,820	137,346	54,843	6,848	125	367,004	1.0000	228	7,385	6,230	2,488	311	6	16,648
1946	243,590	30,373	5,535	179,006	21,225	7,289	162	243,590	1.0000	1,378	251	8,120	963	331	7	11,050
1947	511,434	12,805	219,047	219,259	52,967	7,271	85	511,434	1.0000	581	9,936	9,945	2,403	330	4	23,199
1948	288,829	10,029	35,484	179,602	47,823	15,650	241	288,829	1.0000	455	1,610	8,147	2,169	710	11	13,102
1949	331,629	20,174	143,445	115,961	39,321	12,566	162	331,629	1.0000	915	6,507	5,260	1,784	570	7	15,043
1950	430,564	27,898	95,812	246,796	44,818	15,089	151	430,564	1.0000	1,265	4,346	11,194	2,033	684	7	19,529

a. 1930-1932 "Green Landed Weight" from the sum of landed weights in Tables 12 and 22; 1933-1944 calculated by the authors from product and canned pack statistics on Schedules and DMF worksheets; 1945-1950 from Schedule 1A forms that are summarized in Appendix F, Table F51. Transfers accounted for from 1933 through 1950.

Table 34. Strait of Georgia commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	66,699	2,737	4,631	39,412	15,942	3,975	2	66,699	1.0000	124	210	1,788	723	180	<0.5	3,025
1931	60,966	2,916	13,945	33,202	8,927	1,976	-	60,966	1.0000	132	633	1,506	405	90	-	2,766
1932	63,953	1,031	4,351	43,810	11,877	2,884	-	63,953	1.0000	47	197	1,987	539	131	-	2,901
1933	78,730	1,312	48,527	8,643	13,340	6,922	-	78,744	0.9998	60	2,201	392	605	314	-	3,572
1934	81,674	3,062	6,336	51,049	19,281	1,945	-	81,673	1.0000	139	287	2,316	875	88	-	3,705
1935	97,666	3,158	22,089	50,053	17,637	4,727	-	97,664	1.0000	143	1,002	2,270	800	214	-	4,429
1936	74,077	633	5	47,560	22,333	3,567	-	74,098	0.9997	29	<0.5	2,157	1,013	162	-	3,361
1937	87,410	1,592	10,841	44,243	20,066	10,667	3	87,412	1.0000	72	492	2,007	910	484	<0.5	3,965
1938	82,251	1	1	74,752	10,816	687	-	86,257	0.9536	<0.5	<0.5	3,391	491	31	-	3,913
1939	52,814	17	2,301	12,911	33,368	4,218	-	52,815	1.0000	1	104	586	1,513	191	-	2,395
1940	58,046	1,847	226	32,751	19,086	4,137	-	58,047	1.0000	84	10	1,486	866	188	-	2,634
1941	153,820	10,055	1,483	111,965	26,322	3,986	8	153,819	1.0000	456	67	5,079	1,194	181	<0.5	6,977
1942	42,934	7	7	25,507	13,615	3,800	-	42,936	1.0000	<0.5	<0.5	1,157	618	172	-	1,947
1943	72,582	76	1,522	48,219	17,898	4,860	6	72,581	1.0000	3	69	2,187	812	220	<0.5	3,291
1944	37,513	404	56	13,210	18,485	5,327	31	37,513	1.0000	18	3	599	838	242	1	1,701
1945	72,384	238	5,664	30,679	29,097	6,494	212	72,384	1.0000	11	257	1,392	1,320	295	10	3,285
1946	62,497	2,521	138	44,993	9,904	4,927	14	62,497	1.0000	114	6	2,041	449	223	1	2,834
1947	65,320	1,406	28,579	21,692	8,331	5,293	19	65,320	1.0000	64	1,296	984	378	240	1	2,963
1948	73,344	114	65	45,256	23,391	4,503	15	73,344	1.0000	5	3	2,053	1,061	204	1	3,327
1949	63,255	450	16,040	27,252	10,492	9,011	10	63,255	1.0000	20	728	1,236	476	409	<0.5	2,869
1950	80,017	2,138	276	61,001	14,693	1,903	6	80,017	1.0000	97	13	2,767	666	86	<0.5	3,629

a. 1930-1932 "Green Landed Weight" from the sum of landed weights in Tables 13 and 23; 1933-1944 calculated by the authors from product and canned pack statistics on Schedules and DMF worksheets; 1945-1950 from Schedule 1A forms that are summarized in Appendix F, Table F51. Transfers accounted for from 1933 through 1950.

Table 35. Juan de Fuca Strait commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	18,328	4,480	222	808	6,357	6,444	16	18,327	1.0001	203	10	37	288	292	1	831
1931	45,258	2,050	15,304	17,644	5,283	4,894	83	45,258	1.0000	93	694	800	240	222	4	2,053
1932	17,952	3,360	110	1,100	6,049	7,205	128	17,952	1.0000	152	5	50	274	327	6	814
1933	41,391	8,479	22,684	561	5,248	4,212	99	41,283	1.0026	385	1,029	25	238	191	4	1,872
1934	10,805	6,973	9	662	392	2,260	69	10,365	1.0425	316	<0.5	30	18	102	3	469
1935	32,315	4,712	15,511	264	3,777	7,953	98	32,315	1.0000	214	703	12	171	361	4	1,465
1936	11,305	3,337	-	499	2,934	4,426	109	11,305	1.0000	151	<0.5	23	133	201	5	513
1937	21,419	5,768	8,493	228	1,989	4,901	40	21,419	1.0000	262	385	10	90	222	2	971
1938	9,680	3,514	39	1,944	292	3,734	158	9,681	0.9999	159	-	88	13	169	7	436
1939	23,299	3,550	9,119	2,102	2,356	6,060	112	23,299	1.0000	161	414	95	107	275	5	1,057
1940	10,687	2,198	34	1,798	3,616	2,986	55	10,687	1.0000	100	-	82	164	135	2	483
1941	21,862	1,530	4,607	57	6,899	8,636	134	21,863	1.0000	69	209	3	313	392	6	992
1942	16,995	6,787	6	293	3,350	6,438	120	16,994	1.0001	308	<0.5	13	152	292	5	770
1943	9,931	1,097	1,983	104	2,706	3,926	115	9,931	1.0000	50	90	5	123	178	5	451
1944	17,228	3,814	66	2,657	7,589	3,021	80	17,227	1.0001	173	3	121	344	137	4	782
1945	39,257	1,793	15,947	388	9,428	11,499	202	39,257	1.0000	81	723	18	428	521	9	1,780
1946	57,749	44,555	168	2,427	4,061	6,376	162	57,749	1.0000	2,021	8	110	184	289	7	2,619
1947	42,698	678	30,406	3,146	5,364	3,021	83	42,698	1.0000	31	1,379	143	243	137	4	1,937
1948	14,068	4,129	7	1,160	2,834	5,819	119	14,068	1.0000	187	<0.5	53	129	264	5	638
1949	107,374	5,561	78,002	5,445	12,074	6,219	73	107,374	1.0000	252	3,537	247	548	282	3	4,869
1950	46,547	20,735	388	5,872	11,663	7,782	107	46,547	1.0000	940	18	266	529	353	5	2,111

a. 1930-1932 "Green Landed Weight" from the sum of landed weights in Tables 14 and 24; 1933 from Anonymous (1963); 1934-1944 calculated by the authors from product and canned pack statistics on Schedules and DMF worksheets; 1945-1950 from Schedule 1A forms that are summarized in Appendix F, Table F51. Transfers ac accounted for from 1933 through 1950.

Table 36. West Coast of Vancouver Island commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	245,294	8,651	14,299	167,136	28,888	30,738	321	250,034	0.9810	392	649	7,581	1,310	1,394	15	11,341
1931	277,670	2,596	1,327	201,972	22,148	49,503	21	277,567	1.0004	118	60	9,161	1,005	2,245	1	12,590
1932	117,260	10,952	1,343	52,729	18,340	33,807	88	117,260	1.0000	497	61	2,392	832	1,533	4	5,319
1933	148,870	10,137	1,765	90,489	22,142	24,241	96	148,870	1.0000	460	80	4,104	1,004	1,100	4	6,752
1934	205,565	14,883	2,603	132,468	22,168	31,610	-	203,732	1.0090	675	118	6,009	1,006	1,434	-	9,242
1935	211,913	7,200	657	114,459	42,353	47,241	2	211,912	1.0000	327	30	5,192	1,921	2,143	<0.5	9,613
1936	329,703	10,939	14,469	259,161	19,225	28,372	403	332,569	0.9914	496	656	11,755	872	1,287	18	15,084
1937	179,982	10,983	57,236	67,986	16,096	27,077	61	179,439	1.0030	498	2,596	3,084	730	1,228	3	8,139
1938	216,033	9,388	3,753	137,282	35,377	19,872	143	205,815	1.0496	426	170	6,227	1,605	901	6	9,335
1939	146,640	2,020	217	78,901	41,160	24,297	42	146,637	1.0000	92	10	3,578	1,867	1,102	2	6,651
1940	183,602	5,054	668	100,009	59,161	18,633	76	183,601	1.0000	229	30	4,536	2,683	845	3	8,326
1941	267,373	3,305	706	187,764	48,165	27,373	60	267,373	1.0000	150	32	8,517	2,185	1,242	3	12,129
1942	225,833	3,077	162	166,540	30,346	25,709	-	225,834	1.0000	140	7	7,554	1,376	1,166	-	10,243
1943	94,455	1,489	239	35,229	30,016	27,475	6	94,454	1.0000	68	11	1,598	1,361	1,246	<0.5	4,284
1944	87,633	358	5	4,508	51,312	31,441	4	87,628	1.0001	16	<0.5	204	2,327	1,426	<0.5	3,973
1945	97,574	520	3,062	16,601	50,808	26,574	9	97,574	1.0000	24	139	753	2,305	1,205	<0.5	4,426
1946	170,222	3,436	26	70,409	39,843	56,392	116	170,222	1.0000	156	1	3,194	1,807	2,558	5	7,721
1947	116,722	1,586	29,571	24,946	35,066	25,526	27	116,722	1.0000	72	1,341	1,132	1,591	1,158	1	5,295
1948	168,767	1,827	172	66,171	51,846	48,701	50	168,767	1.0000	83	8	3,001	2,352	2,209	2	7,655
1949	143,477	6,870	9,855	30,842	45,729	50,161	20	143,477	1.0000	312	447	1,399	2,074	2,275	1	6,508
1950	184,058	3,242	4,607	79,972	38,968	57,164	105	184,058	1.0000	147	209	3,627	1,768	2,593	5	8,349

a. 1930-1932 "Green Landed Weight from the sum of landed weights in Tables 15 and 25; 1933-1944 calculated by the authors from product and canned pack statistics on Schedules and DMF worksheets; 1945-1950 from Schedule 1A forms that are summarized in Appendix F, Table F51. Transfers accounted for from 1933 through 1950.

Table 37. Fraser River (District I) commercial salmon and steelhead landings from Schedules and transfer data, 1930-1950.[a]

Year	DBS GLW	Green Landed Weight (cwt)							DBS/ Total	Landed Weight (tonnes)						
		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total		Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1930	387,167	92,005	28,126	105,229	79,908	79,194	2,706	387,167	1.0000	4,173	1,276	4,773	3,625	3,592	123	17,562
1931	291,877	48,737	66,533	80,792	34,084	60,714	1,017	291,877	1.0000	2,211	3,018	3,665	1,546	2,754	46	13,240
1932	296,916	71,405	11,080	85,123	49,326	78,451	1,531	296,916	1.0000	3,239	503	3,861	2,237	3,558	69	13,467
1933	288,899	42,900	82,857	87,556	15,790	58,782	1,013	288,898	1.0000	1,946	3,758	3,971	716	2,666	46	13,103
1934	343,792	136,959	462	136,329	16,896	52,743	403	343,792	1.0000	6,212	21	6,184	766	2,392	18	15,593
1935	349,063	70,025	141,006	21,983	39,719	75,507	822	349,062	1.0000	3,176	6,396	997	1,802	3,425	37	15,833
1936	302,265	177,650	2	46,418	26,801	50,655	739	302,265	1.0000	8,058	0	2,105	1,216	2,298	34	13,711
1937	302,135	70,131	97,327	39,433	18,179	75,945	1,120	302,135	1.0000	3,181	4,415	1,789	825	3,445	51	13,706
1938	324,196	177,096	68	70,567	34,907	41,330	227	324,195	1.0000	8,033	3	3,201	1,583	1,875	10	14,705
1939	285,151	40,375	99,896	46,107	28,050	69,307	1,415	285,150	1.0000	1,831	4,531	2,091	1,272	3,144	64	12,933
1940	169,369	67,397	13	41,981	14,546	44,219	1,213	169,369	1.0000	3,057	1	1,904	660	2,006	55	7,683
1941	319,952	102,036	71,467	69,679	22,344	53,854	571	319,951	1.0000	4,628	3,242	3,161	1,014	2,443	26	14,514
1942	467,909	343,812	134	74,387	10,086	38,660	830	467,909	1.0000	15,595	6	3,374	457	1,754	38	21,224
1943	125,933	21,871	23,177	49,071	8,161	22,896	756	125,932	1.0000	992	1,051	2,226	370	1,039	34	5,712
1944	109,823	44,840	73	12,268	12,589	39,392	661	109,823	1.0000	2,034	3	556	571	1,787	30	4,981
1945	243,036	58,624	78,540	31,561	22,891	50,209	1,211	243,036	1.0000	2,659	3,562	1,432	1,038	2,277	55	11,023
1946	293,967	200,174	90	42,157	13,540	36,945	1,061	293,967	1.0000	9,080	4	1,912	614	1,676	48	13,334
1947	200,599	21,267	89,597	35,940	14,639	38,428	728	200,599	1.0000	965	4,064	1,630	664	1,743	33	9,099
1948	116,671	41,713	120	30,789	16,230	26,462	1,357	116,671	1.0000	1,892	5	1,397	736	1,200	62	5,292
1949	201,694	50,495	67,750	36,157	11,288	35,118	886	201,694	1.0000	2,290	3,073	1,640	512	1,593	40	9,148
1950	191,180	36,816	245	106,610	17,217	29,699	593	191,180	1.0000	1,670	11	4,836	781	1,347	27	8,672

a. 1930-1932 "Green Landed Weight (tonnes)" from the sum of landed weights in Tables 16 and 26; 1933-1944 "Green Landed Weight (tonnes)" from adjusted landed weight (tonnes) in Appendix F, Table F36a; 1945-1950 "Green Landed Weight" from GLW on Schedule 1A forms that are summarized in Appendix F, Table F51. Transfers accounted for from 1933 through 1950.

Table 38. Catch and average round weight for sockeye salmon caught in the British Columbia commercial fishery, 1951-1954.[a]

Year	Queen Charlotte Is. (Area 1-2)	Naas River (Area 3)	Skeena River (Area 4)	North Coast (Area 5-8)	Rivers/ Smith Inlet (Area 9-10)	Johnstone Strait (Area 11-13)	Strait of Georgia (Area 14-18)	Juan de Fuca Strait (Area 19-20)	West Coast Vancouver Is (Area 21-27)	Fraser River (District 1)	Total British Columbia
1951 Pieces	6100	226100	691500	276800	1455600	326800	4650	243400	143300	1038000	4412250
Pounds	33301	1454212	4343771	1593671	10125400	2103747	27977	1783000	812495	7545400	29822974
avg wt (lb)	5.46	6.43	6.28	5.76	6.96	6.44	6.02	7.33	5.67	7.27	6.76
avg wt (kg)	2.48	2.92	2.85	2.61	3.16	2.92	2.73	3.32	2.57	3.30	3.07
1952 Pieces	3950	304500	1294500	328900	1280900	320600	6425	174910	191100	957325	4863110
Pounds	19400	1954135	7751053	1815435	8317700	1938218	40406	1227200	980464	6751300	30795311
avg wt (lb)	4.91	6.42	5.99	5.52	6.49	6.05	6.29	7.02	5.13	7.05	6.33
avg wt (kg)	2.23	2.91	2.72	2.50	2.95	2.74	2.85	3.18	2.33	3.20	2.87
1953 Pieces	4300	198400	659200	357600	1889400	614600	12225	647300	214900	1328800	5926725
Pounds	25477	1336335	4247335	1985741	10985300	3508118	74935	3713200	1132595	8332600	35341636
avg wt (lb)	5.92	6.74	6.44	5.55	5.81	5.71	6.13	5.74	5.27	6.27	5.96
avg wt (kg)	2.69	3.06	2.92	2.52	2.64	2.59	2.78	2.60	2.39	2.84	2.70
1954 Pieces	175	101600	571900	317200	766500	168200	837725	1610300	171700	2165100	6710400
Pounds	1094	703600	3981635	2005400	4770500	1090500	6132418	11659000	1078875	15602900	47025922
avg wt (lb)	6.25	6.93	6.96	6.32	6.22	6.48	7.32	7.24	6.28	7.21	7.01
avg wt (kg)	2.84	3.14	3.16	2.87	2.82	2.94	3.32	3.28	2.85	3.27	3.18
Avg Wt (lb)	5.64	6.63	6.42	5.79	6.37	6.17	6.44	6.83	5.59	6.95	6.52
Avg Wt (kg)	2.56	3.01	2.91	2.63	2.89	2.80	2.92	3.10	2.53	3.15	2.96

a. Source: Annual Reports of British Columbia Catch Statistics (Anonymous 1951-1996).

Table 39. Catch and average round weight for pink salmon caught in the British Columbia commercial fishery, 1951-1954.[a]

Year	Queen Charlotte Is. (Area 1-2)	Naas River (Area 3)	Skeena River (Area 4)	North Coast (Area 5-8)	Rivers/ Smith Inlet (Area 9-10)	Johnstone Strait (Area 11-13)	Strait of Georgia (Area 14-18)	Juan de Fuca Strait (Area 19-20)	West Coast Vancouver Is (Area 21-27)	Fraser River (District 1)	Total British Columbia
1951 Pieces	45500	1205500	452200	4634800	255500	2063700	230900	1763300	324100	805400	11780900
Pounds	217613	5794973	2216507	21193037	1316524	10751004	1261953	10444318	1946508	5031571	60174008
avg wt (lb)	4.78	4.81	4.90	4.57	5.15	5.21	5.47	5.92	6.01	6.25	5.11
avg wt (kg)	2.17	2.18	2.22	2.07	2.34	2.36	2.48	2.69	2.72	2.83	2.32
1952 Pieces	2760900	290700	1450800	3618500	181700	2707200	13125	1200	209700	900	11234725
Pounds	12890131	1327483	6581500	16340430	833235	12164243	57571	5000	981906	4300	51185799
avg wt (lb)	4.67	4.57	4.54	4.52	4.59	4.49	4.39	4.17	4.68	4.78	4.56
avg wt (kg)	2.12	2.07	2.06	2.05	2.08	2.04	1.99	1.89	2.12	2.17	2.07
1953 Pieces	12200	245600	425900	990500	123300	4879600	230600	2922000	203600	1068600	11101900
Pounds	68295	1374094	2295741	5242654	684306	26173378	1268995	16787841	1206033	6591806	61693143
avg wt (lb)	5.60	5.59	5.39	5.29	5.55	5.36	5.50	5.75	5.92	6.17	5.56
avg wt (kg)	2.54	2.54	2.44	2.40	2.52	2.43	2.50	2.61	2.69	2.80	2.52
1954 Pieces	1515300	563500	738700	2001000	51200	400300	1550	700	171325	325	5443900
Pounds	7377342	2739800	3641506	9217324	239800	1804954	7118	2800	722647	1599	25754890
avg wt (lb)	4.87	4.86	4.93	4.61	4.68	4.51	4.59	4.00	4.22	4.92	4.73
avg wt (kg)	2.21	2.21	2.24	2.09	2.12	2.05	2.08	1.81	1.91	2.23	2.15
TOTAL											
Avg Wt (lb)	4.98	4.96	4.94	4.75	4.99	4.89	4.99	4.96	5.21	5.53	4.99
Avg Wt (kg)	2.26	2.25	2.24	2.15	2.26	2.22	2.26	2.25	2.36	2.51	2.26
ODD YEARS											
Avg Wt (lb)	5.19	5.20	5.15	4.93	5.35	5.29	5.48	5.83	5.96	6.21	5.33
Avg Wt (kg)	2.35	2.36	2.33	2.24	2.43	2.39	2.49	2.65	2.71	2.82	2.42
EVEN YEARS											
Avg Wt (lb)	4.77	4.71	4.73	4.56	4.63	4.50	4.49	4.08	4.45	4.85	4.64
Avg Wt (kg)	2.16	2.14	2.15	2.07	2.10	2.04	2.04	1.85	2.02	2.20	2.11

a. Source: Annual Reports of British Columbia Catch Statistics (Anonymous 1951-1996).

Table 40. Catch and average round weight for chum salmon caught in the British Columbia commercial fishery, 1951-1954.[a]

Year	Queen Charlotte Is. (Area 1-2)	Naas River (Area 3)	Skeena River (Area 4)	North Coast (Area 5-8)	Rivers/ Smith Inlet (Area 9-10)	Johnstone Strait (Area 11-13)	Strait of Georgia (Area 14-18)	Juan de Fuca Strait (Area 19-20)	West Coast Vancouver Is (Area 21-27)	Fraser River (District 1)	Total British Columbia
1951 Pieces	611400	277800	70300	1569800	51800	1824300	429500	9400	435200	527700	5807200
Pounds	5631765	3187554	881624	18050765	614571	19940378	4591624	99718	4311371	6202718	63512088
avg wt (lb)	9.21	11.47	12.54	11.50	11.86	10.93	10.69	10.61	9.91	11.75	10.94
avg wt (kg)	4.18	5.20	5.69	5.22	5.38	4.96	4.85	4.81	4.49	5.33	4.96
1952 Pieces	111300	99400	37500	459200	47500	686400	261900	2700	120300	655005	2481205
Pounds	1150365	1442271	533347	6110629	778435	8753447	3052753	31000	1299541	8711935	31863723
avg wt (lb)	10.34	14.51	14.22	13.31	16.39	12.75	11.66	11.48	10.80	13.30	12.84
avg wt (kg)	4.69	6.58	6.45	6.04	7.43	5.78	5.29	5.21	4.90	6.03	5.83
1953 Pieces	142500	173800	56000	1168600	56900	1617700	404800	10200	653200	386300	4670000
Pounds	1470271	2366912	775100	15080782	790400	17921571	4392853	106400	6732935	4790400	54427624
avg wt (lb)	10.32	13.62	13.84	12.90	13.89	11.08	10.85	10.43	10.31	12.40	11.65
avg wt (kg)	4.68	6.18	6.28	5.85	6.30	5.03	4.92	4.73	4.68	5.62	5.29
1954 Pieces	667400	88500	121100	948800	70400	2017300	560200	6425	922400	538900	5941425
Pounds	6423947	1217430	1947047	13141047	1149118	25038159	6565359	83100	11596394	7241100	74402701
avg wt (lb)	9.63	13.76	16.08	13.85	16.32	12.41	11.72	12.93	12.57	13.44	12.52
avg wt (kg)	4.37	6.24	7.29	6.28	7.40	5.63	5.32	5.87	5.70	6.09	5.68
Avg Wt (lb)	9.87	13.34	14.17	12.89	14.62	11.79	11.23	11.36	10.90	12.72	11.99
Avg Wt (kg)	4.48	6.05	6.43	5.85	6.63	5.35	5.09	5.15	4.94	5.77	5.44

a. Source: Annual Reports of British Columbia Catch Statistics (Anonymous 1951-1996).

Table 41. Catch and average round weight for coho salmon caught in the British Columbia commercial fishery, 1951-1954.[a]

Year	Queen Charlotte Is. (Area 1-2)	Naas River (Area 3)	Skeena River (Area 4)	North Coast (Area 5-8)	Rivers/ Smith Inlet (Area 9-10)	Johnstone Strait (Area 11-13)	Strait of Georgia (Area 14-18)	Juan de Fuca Strait (Area 19-20)	West Coast Vancouver Is (Area 21-27)	Fraser River (District 1)	Total British Columbia
1951 Pieces	428600	214200	212400	676400	80000	800500	171000	231400	991400	134800	3940700
Pounds	3746871	2000178	1859764	6460654	808673	7421367	1307997	2082407	8107239	1211294	35006444
avg wt (lb)	8.74	9.34	8.76	9.55	10.11	9.27	7.65	9.00	8.18	8.99	8.88
avg wt (kg)	3.97	4.24	3.97	4.33	4.59	4.21	3.47	4.08	3.71	4.08	4.03
1952 Pieces	246700	64000	150000	465900	46700	408500	372600	27500	842500	85900	2710300
Pounds	1999243	602755	1171344	3976053	404354	2924516	1874537	247406	7995192	665118	21860518
avg wt (lb)	8.10	9.42	7.81	8.53	8.66	7.16	5.03	9.00	9.49	7.74	8.07
avg wt (kg)	3.68	4.27	3.54	3.87	3.93	3.25	2.28	4.08	4.30	3.51	3.66
1953 Pieces	228600	69100	89200	339300	29000	551900	389600	361300	695700	85600	2839300
Pounds	2262043	761838	926403	3039519	247001	4290583	1828777	2647154	6151236	617858	22772412
avg wt (lb)	9.90	11.03	10.39	8.96	8.52	7.77	4.69	7.33	8.84	7.22	8.02
avg wt (kg)	4.49	5.00	4.71	4.06	3.86	3.53	2.13	3.32	4.01	3.27	3.64
1954 Pieces	272500	74700	178900	316900	37400	433500	288300	114500	585700	136500	2438900
Pounds	2818910	782036	1716945	3168738	376759	3609043	1295465	792871	5082647	992688	20636102
avg wt (lb)	10.34	10.47	9.60	10.00	10.07	8.33	4.49	6.92	8.68	7.27	8.46
avg wt (kg)	4.69	4.75	4.35	4.54	4.57	3.78	2.04	3.14	3.94	3.30	3.84
Avg Wt (lb)	9.27	10.06	9.14	9.26	9.34	8.13	5.47	8.06	8.80	7.80	8.36
Avg Wt (kg)	4.21	4.56	4.14	4.20	4.24	3.69	2.48	3.66	3.99	3.54	3.79

a. Source: Annual Reports of British Columbia Catch Statistics (Anonymous 1951-1996).

Table 42. Catch and average round weight for chinook salmon caught in the British Columbia commercial fishery, 1951-1954.[a]

Year	Queen Charlotte Is. (Area 1-2)	Naas River (Area 3)	Skeena River (Area 4)	North Coast (Area 5-8)	Rivers/ Smith Inlet (Area 9-10)	Johnstone Strait (Area 11-13)	Strait of Georgia (Area 14-18)	Juan de Fuca Strait (Area 19-20)	West Coast Vancouver Is (Area 21-27)	Fraser River (District 1)	Total British Columbia
1951 Pieces	42625	17700	44200	63100	7700	55550	44100	33005	354305	159100	821385
Pounds	876657	261686	734343	997089	108706	813281	510429	525635	5512248	2566777	12906851
avg wt (lb)	20.57	14.78	16.61	15.80	14.12	14.64	11.57	15.93	15.56	16.13	15.71
avg wt (kg)	9.33	6.71	7.54	7.17	6.40	6.64	5.25	7.22	7.06	7.32	7.13
1952 Pieces	50450	27200	65800	75500	8000	66225	60300	21400	392050	135700	902625
Pounds	967587	416151	1031955	1129503	95341	952374	614249	421977	6583805	2138836	14351778
avg wt (lb)	19.18	15.30	15.68	14.96	11.92	14.38	10.19	19.72	16.79	15.76	15.90
avg wt (kg)	8.70	6.94	7.11	6.79	5.41	6.52	4.62	8.94	7.62	7.15	7.21
1953 Pieces	64630	21200	43500	67300	8000	81425	91900	33700	414850	181905	1008410
Pounds	1243690	358315	709998	1023457	91824	1101376	845018	538889	6547222	3118030	15577819
avg wt (lb)	19.24	16.90	16.32	15.21	11.48	13.53	9.19	15.99	15.78	17.14	15.45
avg wt (kg)	8.73	7.67	7.40	6.90	5.21	6.14	4.17	7.25	7.16	7.77	7.01
1954 Pieces	34650	17800	46500	48900	7800	56450	75300	19050	381550	184600	872600
Pounds	762678	339244	817743	745047	104871	804536	722986	333541	5474024	3311843	13416513
avg wt (lb)	22.01	19.06	17.59	15.24	13.44	14.25	9.60	17.51	14.35	17.94	15.38
avg wt (kg)	9.98	8.64	7.98	6.91	6.10	6.46	4.36	7.94	6.51	8.14	6.97
Avg Wt (lb)	20.25	16.51	16.55	15.30	12.74	14.20	10.14	17.29	15.62	16.74	15.61
Avg Wt (kg)	9.19	7.49	7.51	6.94	5.78	6.44	4.60	7.84	7.09	7.59	7.08

a. Source: Annual Reports of British Columbia Catch Statistics (Anonymous 1951-1996).

Table 43. Catch and average round weight for steelhead caught in the British Columbia commercial fishery, 1951-1954.[a]

Year	Queen Charlotte Is. (Area 1-2)	Naas River (Area 3)	Skeena River (Area 4)	North Coast (Area 5-8)	Rivers/ Smith Inlet (Area 9-10)	Johnstone Strait (Area 11-13)	Strait of Georgia (Area 14-18)	Juan de Fuca Strait (Area 19-20)	West Coast Vancouver Is (Area 21-27)	Fraser River (District 1)	Total British Columbia
1951 Pieces	25	2900	18700	6700	2400	1600	100	1805	1900	5325	41455
Pounds	233	27518	185635	66135	21900	15435	931	15100	13501	60718	407106
avg wt (lb)	9.32	9.49	9.93	9.87	9.13	9.65	9.31	8.37	7.11	11.40	9.82
avg wt (kg)	4.23	4.30	4.50	4.48	4.14	4.38	4.22	3.79	3.22	5.17	4.45
1952 Pieces	75	2600	28500	8400	4200	1925	175	1800	2205	4550	54430
Pounds	785	23718	270435	76707	37800	16635	2148	14100	14838	48800	505966
avg wt (lb)	10.47	9.12	9.49	9.13	9.00	8.64	12.27	7.83	6.73	10.73	9.30
avg wt (kg)	4.75	4.14	4.30	4.14	4.08	3.92	5.57	3.55	3.05	4.86	4.22
1953 Pieces	100	3400	17900	8400	1500	2600	200	1800	2700	4725	43325
Pounds	671	36235	198018	86024	28000	24307	1846	15700	20796	51100	462697
avg wt (lb)	6.71	10.66	11.06	10.24	18.67	9.35	9.23	8.72	7.70	10.81	10.68
avg wt (kg)	3.04	4.83	5.02	4.65	8.47	4.24	4.19	3.96	3.49	4.91	4.84
1954 Pieces	100	1900	22400	9900	3100	2800	450	1425	1800	9325	53200
Pounds	818	18535	239800	100700	28900	29488	4529	12700	13314	113400	562184
avg wt (lb)	8.18	9.76	10.71	10.17	9.32	10.53	10.06	8.91	7.40	12.16	10.57
avg wt (kg)	3.71	4.42	4.86	4.61	4.23	4.78	4.57	4.04	3.36	5.52	4.79
Avg Wt (lb)	7.44	9.76	10.30	9.85	11.53	9.54	10.52	8.46	7.23	11.28	10.09
Avg Wt (kg)	3.38	4.43	4.67	4.47	5.23	4.33	4.77	3.84	3.28	5.11	4.58

a. Source: Annual Reports of British Columbia Catch Statistics (Anonymous 1951-1996).

Table 44. Queen Charlotte Islands (areas 1, 2E, 2W) commercial salmon and steelhead landings, 1888-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1888	3	-	-	10	17	<0.5	30	1	-	-	2	2	<0.5	5
1889	1	-	-	5	9	<0.5	15	1	-	-	1	1	<0.5	3
1890	1	-	-	2	4	<0.5	7	<0.5	-	-	1	<0.5	<0.5	1
1891	1	-	-	2	6	<0.5	9	<0.5	-	-	1	1	<0.5	2
1892	1	-	-	2	6	<0.5	9	<0.5	-	-	1	1	<0.5	2
1893	1	-	-	2	6	-	9	<0.5	-	-	1	1	-	2
1894	1	-	-	2	6	<0.5	9	<0.5	-	-	1	1	<0.5	2
1895	1	-	-	3	7	<0.5	11	<0.5	-	-	1	1	<0.5	2
1896	1	-	-	2	6	<0.5	9	<0.5	-	-	1	1	<0.5	2
1897	2	-	-	6	13	<0.5	21	1	-	-	1	1	<0.5	3
1898	2	-	-	7	16	<0.5	25	1	-	-	2	2	<0.5	5
1899	2	-	-	7	17	<0.5	26	1	-	-	2	2	<0.5	5
1900	2	-	-	7	17	<0.5	26	1	-	-	2	2	<0.5	5
1901	16	1	10	4	6	<0.5	37	6	<0.5	2	1	1	<0.5	10
1902	3	3	15	8	17	<0.5	46	1	1	3	2	2	<0.5	9
1903	16	6	16	17	36	1	92	6	3	4	4	4	<0.5	21
1904	4	5	30	15	25	1	80	2	2	7	4	3	<0.5	18
1905	5	7	53	18	31	1	115	2	3	12	4	3	<0.5	24
1906	7	9	65	35	51	3	170	3	4	14	8	6	1	36
1907	12	8	58	61	43	3	185	5	3	13	15	5	1	42
1908	8	10	65	37	55	3	178	3	5	14	9	6	1	38
1909	7	9	95	39	54	4	208	3	4	21	9	6	1	44
1910	-	1	869	-	30	<0.5	900	-	<0.5	194	-	3	<0.5	197
1911	-	1	907	-	30	<0.5	938	-	<0.5	202	-	3	<0.5	205
1912	-	1,245	215	156	97	<0.5	1,713	-	576	48	37	11	<0.5	672
1913	4	80	170	2	216	<0.5	472	1	34	38	1	24	<0.5	98
1914	<0.5	3	280	13	311	1	608	<0.5	1	63	3	34	<0.5	101
1915	-	-	361	***74***	***238***	-	***673***	-	-	81	***18***	***26***	-	***125***
1916	-	1,086	1,702	***90***	***352***	-	***3,230***	-	503	380	***21***	***38***	-	***942***
1917	<0.5	56	1,306	176	233	27	1,798	<0.5	24	292	42	25	8	391
1918	<0.5	2,437	1,978	185	424	22	5,046	<0.5	1,128	442	44	46	7	1,667
1919	<0.5	48	1,847	43	624	7	2,569	<0.5	21	412	10	68	2	513
1920	***<0.5***	***2,239***	***277***	***160***	***481***	***28***	***3,185***	***<0.5***	***1,037***	***62***	***38***	***52***	***8***	***1,197***
1921	***<0.5***	***10***	***340***	***120***	***249***	***1***	***720***	***<0.5***	***4***	***76***	***28***	***27***	***<0.5***	***135***
1922	***<0.5***	***2,607***	***3,082***	***118***	***240***	***1***	***6,048***	***<0.5***	***1,207***	***688***	***28***	***26***	***<0.5***	***1,949***
1923	***<0.5***	***40***	***1,900***	***119***	***244***	***2***	***2,305***	***<0.5***	***17***	***424***	***28***	***27***	***<0.5***	***496***
1924	***4***	***6,819***	***2,819***	***470***	***248***	***2***	***10,362***	***1***	***3,157***	***629***	***112***	***27***	***1***	***3,927***

Table 44. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1925	***2***	***110***	***4,444***	***202***	***262***	***2***	***5,022***	***1***	***47***	***992***	***48***	***29***	***1***	***1,118***
1926	***27***	***7,650***	***9,293***	***261***	***273***	***2***	***17,506***	***11***	***3,541***	***2,074***	***62***	***30***	***1***	***5,719***
1927	***15***	***22***	***6,446***	***335***	***343***	***2***	***7,163***	***6***	***9***	***1,439***	***80***	***37***	***1***	***1,572***
1928	***2***	***6,381***	***5,344***	***410***	***268***	***2***	***12,407***	***1***	***2,954***	***1,193***	***97***	***29***	***1***	***4,275***
1929	***<0.5***	***43***	***1,414***	***205***	***251***	***2***	***1,915***	***<0.5***	***18***	***316***	***49***	***27***	***1***	***411***
1930	<0.5	8,161	3,561	529	342	-	12,593	<0.5	3,778	795	126	37	-	4,736
1931	-	1	691	399	628	-	1,719	-	<0.5	154	95	68	-	317
1932	<0.5	92	14	647	607	-	1,360	<0.5	43	3	154	66	-	266
1933	-	<0.5	1,930	374	1,009	-	3,313	-	<0.5	431	89	110	-	630
1934	<0.5	2,917	3,192	701	1,025	-	7,835	<0.5	1,351	713	166	111	-	2,341
1935	-	58	3,925	732	568	-	5,283	-	25	876	174	62	-	1,137
1936	3	3,288	3,275	892	501	-	7,959	1	1,522	731	212	54	-	2,520
1937	<0.5	2	3,616	530	841	-	4,989	<0.5	1	807	126	92	-	1,026
1938	4	2,201	2,057	1,208	462	-	5,932	2	1,019	459	287	50	-	1,817
1939	5	1	1,725	564	385	-	2,680	2	<0.5	385	134	42	-	563
1940	2	1,686	6,420	865	208	-	9,181	1	781	1,433	205	23	-	2,443
1941	5	21	2,872	1,643	509	-	5,050	2	9	641	390	55	-	1,097
1942	<0.5	3,051	2,010	1,151	455	1	6,668	<0.5	1,412	449	273	49	<0.5	2,183
1943	1	18	1,474	878	410	<0.5	2,781	<0.5	7	329	208	45	<0.5	589
1944	5	2,087	3,069	1,147	228	<0.5	6,536	2	966	685	273	25	<0.5	1,951
1945	<0.5	171	592	1,200	306	-	2,269	<0.5	73	132	285	33	-	523
1946	<0.5	409	1,693	1,036	471	<0.5	3,609	<0.5	190	378	246	51	<0.5	865
1947	-	49	667	682	316	<0.5	1,714	-	21	149	162	34	<0.5	366
1948	1	1,839	2,630	693	303	-	5,466	<0.5	852	587	165	33	-	1,637
1949	-	143	1,584	722	240	<0.5	2,689	-	61	354	172	26	<0.5	613
1950	3	3,447	6,551	786	336	1	11,124	1	1,596	1,462	187	37	<0.5	3,283

a. Landed weights prior to 1930 are the sum of landed weights in Tables 7 and 17; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1930-1950 landed weight from Table 28; transfers in these years accounted for by DMF.

Table 45. Nass River (area 3) commercial salmon and steelhead landings, 1878-1950 estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1878	2	-	-	1	3	-	6	1	-	-	<0.5	<0.5	-	1
1879	52	-	-	27	50	-	129	17	-	-	6	7	-	30
1880	50	-	-	26	49	-	125	17	-	-	6	7	-	30
1881	254	-	-	42	41	-	337	84	-	-	9	5	-	98
1882	495	-	-	70	51	-	616	165	-	-	15	7	-	187
1883	643	-	-	113	101	3	860	214	-	-	25	13	1	253
1884	271	-	-	42	36	-	349	90	-	-	9	5	-	104
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887	77	-	-	52	87	2	218	26	-	-	11	12	<0.5	49
1888	447	-	-	92	109	1	649	148	-	-	20	15	<0.5	183
1889	617	-	-	96	75	1	789	205	-	-	21	10	<0.5	236
1890	779	-	-	118	113	<0.5	1,010	259	-	-	26	15	<0.5	300
1891	343	-	-	52	54	<0.5	449	114	-	-	11	7	<0.5	132
1892	813	-	-	121	110	<0.5	1,044	270	-	-	27	15	<0.5	312
1893	487	-	-	72	71	<0.5	630	162	-	-	16	9	<0.5	187
1894	619	-	-	91	76	<0.5	786	206	-	-	20	10	<0.5	236
1895	639	-	-	95	81	<0.5	815	212	-	-	21	11	<0.5	244
1896	461	-	-	71	66	<0.5	598	153	-	-	16	9	<0.5	178
1897	622	-	-	93	79	<0.5	794	207	-	-	20	11	<0.5	238
1898	625	-	-	94	82	<0.5	801	208	-	-	21	11	<0.5	240
1899	608	-	-	92	80	<0.5	780	202	-	-	20	11	<0.5	233
1900	631	-	-	98	124	1	854	210	-	-	22	17	<0.5	249
1901	521	5	2	12	116	1	657	173	2	<0.5	3	15	<0.5	193
1902	796	20	2	97	190	1	1,106	264	10	<0.5	21	25	<0.5	320
1903	450	22	2	245	205	1	925	149	9	<0.5	54	27	<0.5	239
1904	894	43	2	154	244	1	1,338	297	20	<0.5	34	33	<0.5	384
1905	934	74	58	125	199	1	1,391	310	31	10	27	27	<0.5	405
1906	846	135	46	239	249	<0.5	1,515	281	63	8	52	33	<0.5	437
1907	680	228	43	240	140	26	1,357	226	97	7	53	19	6	408
1908	1,052	255	46	326	269	42	1,990	350	119	8	72	36	10	595
1909	1,077	140	57	268	257	<0.5	1,799	358	59	9	59	34	<0.5	519
1910	1,178	36	17	242	141	<0.5	1,614	391	17	3	53	19	<0.5	483
1911	1,444	808	293	330	269	<0.5	3,144	480	343	49	72	36	<0.5	980
1912	1,393	748	245	550	404	4	3,344	463	350	40	121	54	1	1,029
1913	986	1,184	278	256	336	22	3,062	328	502	46	56	45	5	982
1914	1,194	975	1,034	480	332	22	4,037	397	455	171	105	44	5	1,177

Table 45. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1915	***1,499***	***1,338***	***478***	***698***	***363***	***29***	***4,405***	***498***	***567***	***79***	***153***	***48***	***7***	***1,352***
1916	***1,197***	***2,276***	***458***	***798***	***317***	***73***	***5,119***	***398***	***1,064***	***76***	***175***	***42***	***16***	***1,771***
1917	***846***	***1,704***	***982***	***913***	***341***	***59***	***4,845***	***281***	***722***	***162***	***200***	***46***	***13***	***1,424***
1918	***831***	***2,262***	***1,570***	***718***	***328***	***66***	***5,775***	***276***	***1,057***	***259***	***158***	***44***	***15***	***1,809***
1919	***1,090***	***1,162***	***1,047***	***494***	***313***	***47***	***4,153***	***362***	***492***	***173***	***108***	***42***	***11***	***1,188***
1920	***616***	***1,650***	***479***	***144***	***400***	***31***	***3,320***	***205***	***771***	***79***	***32***	***53***	***7***	***1,147***
1921	***361***	***1,147***	***90***	***344***	***165***	***23***	***2,130***	***120***	***486***	***15***	***75***	***22***	***5***	***723***
1922	***1,228***	***2,824***	***586***	***160***	***159***	***10***	***4,967***	***408***	***1,320***	***97***	***35***	***21***	***2***	***1,883***
1923	***701***	***1,644***	***1,050***	***385***	***265***	***27***	***4,072***	***233***	***697***	***174***	***84***	***35***	***6***	***1,229***
1924	***1,391***	***2,501***	***1,172***	***321***	***262***	-	***5,647***	***462***	***1,169***	***194***	***70***	***35***	-	***1,930***
1925	***776***	***1,415***	***928***	***392***	***365***	***22***	***3,898***	***258***	***599***	***153***	***86***	***49***	***5***	***1,150***
1926	***607***	***1,678***	***618***	***231***	***397***	***26***	***3,557***	***202***	***784***	***102***	***51***	***53***	***6***	***1,198***
1927	***458***	***639***	***160***	***219***	***316***	***16***	***1,808***	***152***	***271***	***26***	***48***	***42***	***4***	***543***
1928	***212***	***3,663***	***207***	***754***	***252***	***13***	***5,101***	***70***	***1,712***	***34***	***165***	***34***	***3***	***2,018***
1929	***623***	***406***	***80***	***116***	***184***	***12***	***1,421***	***207***	***172***	***13***	***25***	***25***	***3***	***445***
1930	1,010	3,574	169	470	309	7	5,539	335	1,670	28	103	41	2	2,179
1931	645	250	30	524	188	8	1,645	214	106	5	115	25	2	467
1932	894	1,978	575	1,795	438	19	5,699	297	924	95	394	58	4	1,772
1933	388	2,188	106	1,172	458	6	4,318	129	927	18	257	61	1	1,393
1934	1,381	1,440	212	1,710	390	12	5,145	459	673	35	375	52	3	1,597
1935	484	974	673	1,447	318	5	3,901	161	413	111	317	42	1	1,045
1936	1,074	3,307	868	1,584	517	19	7,369	357	1,545	143	347	69	4	2,465
1937	673	330	427	882	314	10	2,636	224	140	71	193	42	2	672
1938	829	2,372	582	1,318	187	7	5,295	275	1,108	96	289	25	2	1,795
1939	886	1,083	95	520	169	1	2,754	294	459	16	114	23	<0.5	906
1940	502	1,104	216	890	167	7	2,886	167	516	36	195	22	2	938
1941	903	846	218	612	241	15	2,835	300	359	36	134	32	3	864
1942	888	1,966	461	938	253	22	4,528	295	919	76	206	34	5	1,535
1943	582	693	345	790	162	14	2,586	193	293	57	173	22	3	741
1944	455	1,306	403	858	135	14	3,171	151	610	67	188	18	3	1,037
1945	338	1,326	187	1,194	344	8	3,397	112	562	31	262	46	2	1,015
1946	488	341	597	708	395	12	2,541	162	160	99	155	53	3	632
1947	371	218	398	520	334	8	1,849	123	92	66	114	45	2	442
1948	448	384	306	678	294	7	2,117	149	180	51	149	39	2	570
1949	313	1,310	288	337	191	14	2,453	104	555	48	74	26	3	810
1950	812	721	562	356	100	13	2,564	270	337	93	78	13	3	794

a. Landed weights prior to 1930 are the sum of landed weights in Tables 8 and 18; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1930-1950 landed weight from Table 29; transfers in these years accounted for by DMF.

Table 46. Skeena River (area 4) commercial salmon and steelhead landings, 1877-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1877	86	-	-	8	21	-	115	30	-	-	2	3	-	35
1878	244	-	-	23	59	-	326	84	-	-	6	8	-	98
1879	306	-	-	29	76	-	411	105	-	-	7	10	-	122
1880	609	-	-	66	190	-	865	209	-	-	16	25	-	250
1881	647	-	-	66	184	-	897	222	-	-	16	25	-	263
1882	907	-	-	97	278	-	1,282	312	-	-	23	37	-	372
1883	1,169	-	-	125	359	-	1,653	402	-	-	30	48	-	480
1884	1,865	-	-	183	492	-	2,540	641	-	-	44	65	-	750
1885	388	-	-	40	111	-	539	133	-	-	10	15	-	158
1886	1,351	-	-	161	390	5	1,907	464	-	-	39	52	1	556
1887	1,692	-	-	203	465	8	2,368	581	-	-	49	62	2	694
1888	***2,020***	-	-	***211***	***532***	6	***2,769***	***694***	-	-	***51***	***71***	1	***817***
1889	***1,669***	-	-	***157***	***405***	2	***2,233***	***573***	-	-	***38***	***54***	1	***666***
1890	***2,660***	-	-	***264***	***695***	4	***3,623***	***914***	-	-	***64***	***93***	1	***1,072***
1891	***2,210***	-	-	***216***	***556***	4	***2,986***	***760***	-	-	***52***	***74***	1	***887***
1892	***2,623***	-	-	***288***	***710***	10	***3,631***	***901***	-	-	***70***	***95***	2	***1,068***
1893	***1,721***	-	-	***214***	***499***	11	***2,445***	***591***	-	-	***52***	***66***	2	***711***
1894	***1,847***	-	-	***212***	***567***	6	***2,632***	***635***	-	-	***51***	***76***	1	***763***
1895	***1,984***	-	-	***214***	***547***	6	***2,751***	***682***	-	-	***52***	***73***	1	***808***
1896	***2,819***	-	-	***287***	***721***	6	***3,833***	***969***	-	-	***69***	***96***	1	***1,135***
1897	***1,791***	-	-	***184***	***487***	4	***2,466***	***615***	-	-	***45***	***65***	1	***726***
1898	***2,306***	-	-	***222***	***583***	3	***3,114***	***792***	-	-	***54***	***78***	1	***925***
1899	***3,266***	-	-	***318***	***848***	3	***4,435***	***1,123***	-	-	***77***	***113***	1	***1,314***
1900	***4,002***	-	-	***424***	***1,157***	7	***5,590***	***1,375***	-	-	***102***	***154***	2	***1,633***
1901	3,129	727	19	249	1,152	7	5,283	1,075	312	3	60	153	1	1,604
1902	4,540	694	26	242	839	10	6,351	1,560	323	4	58	112	2	2,059
1903	1,971	722	27	522	989	10	4,241	677	310	4	126	132	2	1,251
1904	3,581	1,180	17	459	1,019	6	6,262	1,231	549	3	111	136	1	2,031
1905	3,247	321	89	349	776	9	4,791	1,116	138	14	84	103	2	1,457
1906	3,292	1,522	159	781	1,273	26	7,053	1,131	708	25	189	170	6	2,229
1907	4,140	1,000	189	781	1,109	38	7,257	1,423	429	29	189	148	8	2,226
1908	5,330	1,767	154	500	1,101	21	8,873	1,831	822	24	121	147	5	2,950
1909	3,350	1,117	177	565	1,247	17	6,473	1,151	479	28	136	166	4	1,964
1910	7,134	514	-	450	908	<0.5	9,006	2,452	239	-	109	121	<0.5	2,921
1911	4,994	3,128	32	966	1,753	11	10,884	1,716	1,342	5	233	233	2	3,531
1912	3,525	3,726	72	1,616	1,618	27	10,584	1,211	1,733	11	390	215	6	3,566
1913	2,017	2,527	79	882	2,310	29	7,844	693	1,085	12	213	308	6	2,317

Table 46. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1914	4,960	2,719	411	821	1,752	34	10,697	1,704	1,264	64	198	233	7	3,470
1915	***4,436***	***4,110***	***352***	***1,402***	***1,106***	***110***	***11,516***	***1,524***	***1,764***	***55***	***339***	***147***	***24***	***3,853***
1916	***2,322***	***2,792***	***740***	***1,905***	***1,596***	***170***	***9,525***	***798***	***1,299***	***115***	***460***	***213***	***37***	***2,922***
1917	***2,506***	***5,667***	***955***	***1,712***	***1,354***	***115***	***12,309***	***861***	***2,432***	***148***	***413***	***180***	***25***	***4,059***
1918	***4,700***	***6,186***	***1,049***	***1,828***	***1,616***	***255***	***15,634***	***1,615***	***2,877***	***163***	***442***	***215***	***55***	***5,367***
1919	***7,047***	***4,482***	***1,311***	***1,593***	***1,111***	***138***	***15,682***	***2,422***	***1,924***	***204***	***385***	***148***	***30***	***5,113***
1920	***3,294***	***6,825***	***335***	***1,058***	***2,074***	***110***	***13,696***	***1,132***	***3,174***	***52***	***256***	***276***	***23***	***4,913***
1921	***1,559***	***4,823***	***473***	***2,245***	***1,505***	***141***	***10,746***	***536***	***2,070***	***74***	***542***	***200***	***30***	***3,452***
1922	***3,105***	***8,391***	***818***	***1,214***	***1,098***	***139***	***14,765***	***1,067***	***3,903***	***127***	***293***	***146***	***30***	***5,566***
1923	***5,033***	***5,303***	***621***	***1,487***	***1,336***	***49***	***13,829***	***1,729***	***2,276***	***97***	***359***	***178***	***11***	***4,650***
1924	***5,747***	***6,057***	***682***	***1,226***	***1,405***	***39***	***15,156***	***1,975***	***2,817***	***106***	***296***	***187***	***8***	***5,389***
1925	***2,963***	***4,836***	***824***	***1,798***	***2,625***	***13***	***13,059***	***1,018***	***2,075***	***128***	***434***	***350***	***3***	***4,008***
1926	***3,137***	***6,502***	***2,112***	***1,469***	***1,423***	***191***	***14,834***	***1,078***	***3,024***	***328***	***355***	***189***	***41***	***5,015***
1927	***3,201***	***1,487***	***526***	***1,192***	***1,467***	***268***	***8,141***	***1,100***	***638***	***82***	***288***	***195***	***57***	***2,360***
1928	***1,319***	***7,342***	***792***	***1,642***	***1,106***	***178***	***12,379***	***453***	***3,415***	***123***	***397***	***147***	***38***	***4,573***
1929	***2,964***	***3,652***	***265***	***2,090***	***648***	***101***	***9,720***	***1,018***	***1,568***	***41***	***505***	***86***	***22***	***3,240***
1930	4,989	7,576	153	1,307	1,630	135	15,790	1,714	3,524	24	316	217	29	5,824
1931	3,541	1,726	240	649	746	217	7,119	1,217	741	37	157	99	46	2,297
1932	2,034	1,272	1,164	871	1,359	228	6,928	699	592	181	210	181	49	1,912
1933	1,055	3,052	462	902	705	146	6,322	363	1,310	72	218	94	31	2,088
1934	2,083	1,077	257	907	962	193	5,479	716	501	40	219	128	41	1,645
1935	2,017	3,160	375	1,306	629	95	7,582	693	1,356	58	316	84	20	2,527
1936	3,155	2,932	546	1,458	417	98	8,606	1,084	1,363	85	352	56	21	2,961
1937	1,564	2,211	421	978	490	68	5,732	538	949	66	236	65	15	1,869
1938	1,796	2,698	576	1,976	470	135	7,651	617	1,255	90	477	63	29	2,531
1939	2,494	3,398	266	1,399	592	69	8,218	857	1,458	41	338	79	15	2,788
1940	4,232	1,757	182	793	383	113	7,460	1,454	817	28	191	51	24	2,565
1941	2,948	1,928	442	1,777	360	115	7,570	1,013	828	69	429	48	25	2,412
1942	1,088	1,802	392	1,420	373	114	5,189	374	838	61	343	50	24	1,690
1943	938	2,011	283	1,380	294	79	4,985	322	863	44	333	39	17	1,618
1944	2,316	1,679	272	1,184	545	124	6,120	796	781	42	286	73	27	2,005
1945	3,542	2,555	343	1,577	367	71	8,455	1,217	1,097	53	381	49	15	2,812
1946	1,797	432	622	1,505	533	199	5,088	618	201	97	364	71	43	1,394
1947	1,107	491	368	707	551	84	3,308	380	211	57	171	73	18	910
1948	3,447	2,005	481	1,069	584	175	7,761	1,185	932	75	258	78	38	2,566
1949	2,228	1,210	232	1,156	705	52	5,583	766	519	36	279	94	11	1,705
1950	1,530	823	451	499	364	86	3,753	526	383	70	121	48	18	1,166

a. Landed weights prior to 1930 are the sum of landed weights in Tables 9 and 19; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1930-1950 landed weight from Table 30; transfers in these years accounted for by DMF.

Table 47. North Coast (areas 5-8) commercial salmon and steelhead landings, 1883-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1883	24	-	-	21	15	-	60	9	-	-	5	2	-	16
1884	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	4	-	-	4	3	<0.5	11	1	-	-	1	<0.5	<0.5	2
1887	19	-	-	18	13	<0.5	50	7	-	-	4	2	<0.5	13
1888	***7***	-	-	***12***	***14***	-	***33***	***3***	-	-	***3***	***2***	-	***8***
1889	***7***	-	-	***12***	***14***	-	***33***	***3***	-	-	***3***	***2***	-	***8***
1890	***277***	-	-	***93***	***34***	-	***404***	***105***	-	-	***22***	***5***	-	***132***
1891	***320***	-	-	***105***	***37***	-	***462***	***122***	-	-	***25***	***5***	-	***152***
1892	***399***	-	-	***129***	***42***	-	***570***	***152***	-	-	***31***	***6***	-	***189***
1893	***553***	-	-	***175***	***53***	-	***781***	***210***	-	-	***42***	***8***	-	***260***
1894	***215***	-	-	***74***	***29***	-	***318***	***82***	-	-	***18***	***4***	-	***104***
1895	***331***	-	-	***109***	***37***	-	***477***	***126***	-	-	***26***	***5***	-	***157***
1896	***411***	-	-	***133***	***43***	-	***587***	***156***	-	-	***32***	***6***	-	***194***
1897	***346***	-	-	***113***	***38***	-	***497***	***132***	-	-	***27***	***6***	-	***165***
1898	***294***	-	-	***98***	***35***	-	***427***	***112***	-	-	***23***	***5***	-	***140***
1899	***494***	-	-	***157***	***49***	-	***700***	***188***	-	-	***37***	***7***	-	***232***
1900	***792***	-	-	***246***	***71***	-	***1,109***	***301***	-	-	***59***	***10***	-	***370***
1901	727	195	<0.5	139	91	<0.5	1,152	276	87	<0.5	33	13	<0.5	409
1902	746	34	43	337	37	<0.5	1,197	284	17	7	80	5	<0.5	393
1903	734	206	34	234	102	<0.5	1,310	279	92	6	56	15	<0.5	448
1904	931	6	57	331	86	<0.5	1,411	354	3	10	79	12	<0.5	458
1905	1,093	29	161	135	140	<0.5	1,558	416	13	28	32	20	<0.5	509
1906	858	116	57	347	106	<0.5	1,484	326	56	10	83	15	<0.5	490
1907	590	154	68	442	94	<0.5	1,348	224	69	12	105	14	<0.5	424
1908	1,025	196	91	559	125	<0.5	1,996	390	95	16	133	18	<0.5	652
1909	981	186	108	513	129	<0.5	1,917	373	83	18	122	19	<0.5	615
1910	1,806	242	68	330	72	<0.5	2,518	687	117	12	78	10	<0.5	904
1911	999	1,034	351	461	118	<0.5	2,963	380	462	60	110	17	<0.5	1,029
1912	956	2,066	955	881	202	<0.5	5,060	363	998	163	210	29	<0.5	1,763
1913	819	1,619	555	459	479	2	3,933	311	723	95	109	69	<0.5	1,307
1914	1,275	1,979	1,853	847	159	1	6,114	485	956	317	202	23	<0.5	1,983
1915	772	2,073	810	636	30	51	4,372	294	926	138	151	4	11	1,524
1916	541	1,823	3,542	1,081	54	38	7,079	206	881	605	257	8	9	1,966
1917	704	3,832	3,770	967	65	44	9,382	268	1,711	644	230	9	10	2,872
1918	1,031	3,914	2,544	1,211	59	49	8,808	392	1,891	435	288	8	11	3,025
1919	759	2,984	4,335	796	249	47	9,170	289	1,332	741	190	36	11	2,599

Table 47. Continued

	Landed Weight (tonnes)							Numbers (thousands)						
Year	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1920	***1,030***	***5,686***	***1,436***	***632***	***241***	***32***	***9,057***	***391***	***2,747***	***246***	***150***	***35***	***7***	***3,576***
1921	***476***	***610***	***927***	***677***	***237***	***15***	***2,942***	***181***	***272***	***158***	***161***	***34***	***3***	***809***
1922	***813***	***3,108***	***2,993***	***870***	***162***	***17***	***7,963***	***309***	***1,501***	***512***	***207***	***23***	***4***	***2,556***
1923	***729***	***4,461***	***5,143***	***971***	***282***	***74***	***11,660***	***277***	***1,991***	***879***	***231***	***41***	***16***	***3,435***
1924	***808***	***4,021***	***7,720***	***714***	***376***	***21***	***13,660***	***307***	***1,942***	***1,320***	***170***	***54***	***5***	***3,798***
1925	***1,219***	***3,463***	***9,971***	***1,013***	***298***	***32***	***15,996***	***464***	***1,546***	***1,704***	***241***	***43***	***7***	***4,005***
1926	***1,108***	***7,595***	***6,779***	***1,399***	***259***	***37***	***17,177***	***421***	***3,669***	***1,159***	***333***	***37***	***8***	***5,627***
1927	***603***	***1,299***	***4,122***	***1,260***	***479***	***30***	***7,793***	***229***	***580***	***705***	***300***	***69***	***7***	***1,890***
1928	***721***	***9,616***	***9,396***	***1,412***	***155***	***23***	***21,323***	***274***	***4,646***	***1,606***	***336***	***22***	***5***	***6,889***
1929	***1,187***	***4,331***	***3,062***	***1,449***	***79***	***21***	***10,129***	***451***	***1,933***	***523***	***345***	***11***	***5***	***3,268***
1930	1,336	16,863	3,753	1,746	183	49	23,930	508	8,146	642	416	26	11	9,749
1931	720	4,360	2,858	829	248	30	9,045	274	1,947	488	197	36	7	2,949
1932	926	2,631	6,248	1,204	80	50	11,139	352	1,271	1,068	287	12	11	3,001
1933	1,119	4,298	3,897	1,282	104	32	10,732	425	1,919	666	305	15	7	3,337
1934	935	6,379	2,821	1,899	152	27	12,213	355	3,082	482	452	22	6	4,399
1935	1,003	3,422	4,940	1,623	76	14	11,078	381	1,528	844	386	11	3	3,153
1936	1,047	9,550	3,539	2,142	249	15	16,542	398	4,613	605	510	36	3	6,165
1937	1,266	3,706	4,384	1,294	326	25	11,001	481	1,654	749	308	47	5	3,244
1938	1,422	4,933	4,823	2,522	206	17	13,923	541	2,383	824	600	30	4	4,382
1939	941	5,823	2,841	1,707	174	15	11,501	358	2,599	486	406	25	3	3,877
1940	864	1,573	2,789	1,913	122	15	7,276	328	760	477	456	18	3	2,042
1941	761	2,225	3,970	1,813	88	12	8,869	289	993	679	432	13	3	2,409
1942	677	2,649	2,807	1,586	78	14	7,811	257	1,280	480	378	11	3	2,409
1943	595	10,329	3,996	1,272	126	19	16,337	226	4,611	683	303	18	4	5,845
1944	1,060	5,689	2,849	1,217	89	25	10,929	403	2,748	487	290	13	6	3,947
1945	894	13,171	4,864	1,865	140	20	20,954	340	5,880	831	444	20	5	7,520
1946	477	3,324	8,361	1,449	390	36	14,037	181	1,606	1,429	345	56	8	3,625
1947	618	3,849	10,291	1,753	375	16	16,902	235	1,718	1,759	417	54	4	4,187
1948	789	5,932	8,343	1,733	315	37	17,149	300	2,866	1,426	413	45	8	5,058
1949	524	6,435	5,119	1,948	267	19	14,312	199	2,873	875	464	38	4	4,453
1950	869	5,792	7,189	1,345	384	36	15,615	330	2,798	1,229	320	55	8	4,740

a. Landed weights prior to 1930 are the sum of landed weights in Tables 10 and 20; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1930-1950 landed weight from Table 31; transfers in these years accounted for by DMF.

Table 48. Rivers Inlet and Smith Inlet (areas 9-10) commercial salmon and steelhead landings, 1882-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1882	211	-	-	6	5	-	222	73	-	-	1	1	-	75
1883	877	-	-	56	80	-	1,013	304	-	-	13	14	-	331
1884	1,047	-	-	108	175	-	1,330	362	-	-	26	30	-	418
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	559	-	-	26	22	2	609	193	-	-	6	4	<0.5	203
1887	490	-	-	66	96	3	655	170	-	-	16	17	1	204
1888	834	-	-	78	113	2	1,027	288	-	-	18	19	<0.5	325
1889	974	-	-	39	39	1	1,053	337	-	-	9	7	<0.5	353
1890	1,262	-	-	44	41	1	1,348	437	-	-	10	7	<0.5	454
1891	1,350	-	-	50	43	3	1,446	467	-	-	12	8	1	488
1892	553	-	-	31	33	3	620	192	-	-	7	6	1	206
1893	1,313	-	-	33	26	<0.5	1,372	454	-	-	8	4	<0.5	466
1894	1,491	-	-	39	30	<0.5	1,560	516	-	-	9	5	<0.5	530
1895	2,170	-	-	53	36	<0.5	2,259	751	-	-	13	6	<0.5	770
1896	3,974	-	-	92	53	<0.5	4,119	1,375	-	-	22	9	<0.5	1,406
1897	1,521	-	-	58	60	1	1,640	526	-	-	14	10	<0.5	550
1898	3,903	-	-	96	59	1	4,059	1,351	-	-	23	10	<0.5	1,384
1899	2,841	-	-	76	53	1	2,971	983	-	-	18	9	<0.5	1,010
1900	2,753	-	-	72	48	1	2,874	952	-	-	17	8	<0.5	977
1901	2,320	82	1	124	41	<0.5	2,568	803	34	<0.5	29	7	<0.5	873
1902	2,822	3	2	44	31	1	2,903	976	1	<0.5	10	5	<0.5	992
1903	2,799	9	<0.5	14	72	<0.5	2,894	969	4	<0.5	3	12	<0.5	988
1904	3,871	5	2	23	17	1	3,919	1,339	2	<0.5	5	3	<0.5	1,349
1905	3,458	2	93	9	28	1	3,591	1,196	1	14	2	5	<0.5	1,218
1906	5,054	2	257	9	17	1	5,340	1,749	1	39	2	3	<0.5	1,794
1907	3,730	28	285	242	34	1	4,320	1,291	11	43	57	6	<0.5	1,408
1908	2,837	179	342	367	56	1	3,782	982	85	52	87	10	<0.5	1,216
1909	3,907	12	398	57	49	<0.5	4,423	1,352	5	60	13	8	<0.5	1,438
1910	5,407	2	2	79	41	<0.5	5,531	1,871	1	<0.5	19	7	<0.5	1,898
1911	4,030	245	203	316	73	<0.5	4,867	1,394	101	31	74	13	<0.5	1,613
1912	4,923	447	185	423	92	<0.5	6,070	1,704	213	28	100	16	<0.5	2,061
1913	3,023	164	77	141	75	<0.5	3,480	1,046	67	12	33	13	<0.5	1,171
1914	3,423	221	192	297	37	<0.5	4,170	1,184	105	29	70	6	<0.5	1,394
1915	6,208	113	205	271	39	<0.5	6,836	2,148	46	31	64	7	<0.5	2,296
1916	2,258	179	1,012	770	71	-	4,290	781	85	153	182	12	-	1,213
1917	2,783	367	732	415	37	-	4,334	963	151	110	98	6	-	1,328
1918	2,453	1,358	316	569	79	3	4,778	849	647	48	134	14	<0.5	1,692

Table 48. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1919	2,881	337	367	470	128	2	4,185	997	139	55	111	22	<0.5	1,324
1920	***5,159***	***1,073***	***51***	***123***	***80***	-	***6,486***	***1,785***	***511***	***8***	***29***	***14***	-	***2,347***
1921	***1,936***	***128***	***15***	***175***	***30***	***3***	***2,287***	***670***	***52***	***2***	***41***	***5***	***1***	***771***
1922	***2,602***	***979***	***13***	***48***	***13***	-	***3,655***	***900***	***466***	***2***	***11***	***2***	-	***1,381***
1923	***4,575***	***382***	***196***	***58***	***22***	-	***5,233***	***1,583***	***157***	***30***	***14***	***4***	-	***1,788***
1924	***3,694***	***534***	***205***	***71***	***20***	-	***4,524***	***1,278***	***254***	***31***	***17***	***3***	-	***1,583***
1925	***7,669***	***291***	***446***	***188***	***26***	***<0.5***	***8,620***	***2,654***	***120***	***67***	***44***	***4***	***<0.5***	***2,889***
1926	***3,424***	***324***	***560***	***394***	***36***	***1***	***4,739***	***1,185***	***154***	***84***	***93***	***6***	***<0.5***	***1,522***
1927	***3,854***	***52***	***195***	***211***	***42***	***1***	***4,355***	***1,333***	***22***	***29***	***50***	***7***	***<0.5***	***1,441***
1928	***3,591***	***94***	***345***	***370***	***39***	***<0.5***	***4,439***	***1,242***	***45***	***52***	***87***	***7***	***<0.5***	***1,433***
1929	***3,037***	***115***	***364***	***316***	***31***	***2***	***3,865***	***1,051***	***47***	***55***	***74***	***5***	***<0.5***	***1,232***
1930	5,849	602	518	387	50	7	7,413	2,024	287	78	91	9	1	2,490
1931	3,577	88	374	297	18	3	4,357	1,238	36	56	70	3	1	1,404
1932	3,727	176	752	454	30	2	5,141	1,289	84	113	107	5	<0.5	1,598
1933	4,556	444	340	346	36	6	5,728	1,576	183	51	82	6	1	1,899
1934	3,413	112	548	452	28	5	4,558	1,181	53	83	107	5	1	1,430
1935	6,351	342	761	365	32	2	7,853	2,198	141	115	86	6	<0.5	2,546
1936	2,240	138	547	385	23	3	3,336	775	66	82	91	4	1	1,019
1937	4,111	315	716	249	46	3	5,440	1,423	130	108	59	8	1	1,729
1938	4,657	411	602	666	56	6	6,398	1,611	196	91	157	10	1	2,066
1939	2,645	540	270	620	54	6	4,135	915	222	41	146	9	1	1,334
1940	3,235	148	566	592	57	3	4,601	1,119	71	85	140	10	1	1,426
1941	4,185	202	842	913	66	6	6,214	1,448	83	127	215	11	1	1,885
1942	3,450	54	775	373	36	2	4,690	1,194	26	117	88	6	<0.5	1,431
1943	2,444	644	650	423	43	6	4,210	846	265	98	100	8	1	1,318
1944	1,390	216	284	538	31	3	2,462	481	103	43	127	5	1	760
1945	3,463	421	701	673	41	12	5,311	1,198	173	106	159	7	2	1,645
1946	2,922	77	1,670	330	43	14	5,056	1,011	37	252	78	7	3	1,388
1947	5,984	365	990	196	35	11	7,581	2,071	150	149	46	6	2	2,424
1948	1,637	339	919	383	44	19	3,341	566	162	139	90	8	4	969
1949	1,802	541	658	243	50	12	3,306	624	223	99	57	9	2	1,014
1950	5,975	647	1,580	320	74	13	8,609	2,067	308	238	75	13	2	2,703

a. Landed weights prior to 1930 are the sum of landed weights in Tables 11and 21; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1930-1950 landed weight from Table 32; transfers in these years accounted for by DMF.

Table 49. Johnstone Strait (areas 11-13) commercial salmon and steelhead landings, 1878-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1878	14	-	-	2	30	-	46	5	-	-	1	5	-	11
1879	19	-	-	3	37	-	59	7	-	-	1	6	-	14
1880	3	-	-	<0.5	4	-	7	1	-	-	<0.5	1	-	2
1881	131	-	-	46	60	-	237	47	-	-	12	9	-	68
1882	101	-	-	37	38	-	176	36	-	-	10	6	-	52
1883	159	-	-	54	78	-	291	57	-	-	15	12	-	84
1884	161	-	-	57	69	-	287	58	-	-	16	11	-	85
1885	137	-	-	49	57	-	243	49	-	-	13	9	-	71
1886	73	-	-	31	75	<0.5	179	26	-	-	9	12	<0.5	47
1887	95	-	-	44	41	<0.5	180	34	-	-	12	6	<0.5	52
1888	117	-	-	45	53	<0.5	215	42	-	-	12	8	<0.5	62
1889	157	-	-	59	61	<0.5	277	56	-	-	16	9	<0.5	81
1890	226	-	-	84	86	<0.5	396	81	-	-	23	13	<0.5	117
1891	14	-	-	11	10	<0.5	35	5	-	-	3	2	<0.5	10
1892	96	-	-	44	44	<0.5	184	34	-	-	12	7	<0.5	53
1893	82	-	-	39	38	<0.5	159	29	-	-	11	6	<0.5	46
1894	1	-	-	9	8	<0.5	18	<0.5	-	-	2	1	<0.5	3
1895	139	-	-	60	60	<0.5	259	50	-	-	16	9	<0.5	75
1896	65	-	-	33	30	<0.5	128	23	-	-	9	5	<0.5	37
1897	198	-	-	82	87	<0.5	367	71	-	-	22	14	<0.5	107
1898	185	-	-	77	82	<0.5	344	66	-	-	21	13	<0.5	100
1899	157	-	-	68	71	<0.5	296	56	-	-	18	11	<0.5	85
1900	213	-	-	88	92	<0.5	393	76	-	-	24	14	<0.5	114
1901	39	71	9	3	85	<0.5	207	14	30	2	1	13	<0.5	60
1902	69	279	9	71	16	<0.5	444	25	137	2	19	2	<0.5	185
1903	59	71	9	12	24	<0.5	175	21	30	2	3	4	<0.5	60
1904	75	136	9	106	25	<0.5	351	27	67	2	29	4	<0.5	129
1905	380	2	24	36	8	<0.5	450	136	1	5	10	1	<0.5	153
1906	298	5	29	138	6	<0.5	476	107	2	5	37	1	<0.5	152
1907	124	219	73	96	4	<0.5	516	44	92	14	26	1	<0.5	177
1908	792	545	73	522	79	2	2,013	283	267	14	141	12	<0.5	717
1909	652	30	77	366	65	<0.5	1,190	233	13	14	99	10	<0.5	369
1910	297	1,176	414	746	77	2	2,712	106	576	77	202	12	1	974
1911	870	869	560	856	89	<0.5	3,244	311	364	105	232	14	<0.5	1,026
1912	113	1,372	21	851	26	<0.5	2,383	41	673	4	231	4	<0.5	953
1913	242	1,597	610	747	47	<0.5	3,243	86	668	114	202	7	<0.5	1,077
1914	117	2,405	884	954	123	2	4,485	42	1,179	165	259	19	<0.5	1,664

Table 49. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1915	169	1,565	1,159	1,883	248	<0.5	5,024	60	655	217	510	38	<0.5	1,480
1916	171	1,717	942	918	36	<0.5	3,784	61	841	176	249	6	<0.5	1,333
1917	116	679	1,521	775	133	<0.5	3,224	41	284	284	210	21	<0.5	840
1918	50	2,265	913	676	146	2	4,052	18	1,111	171	183	23	<0.5	1,506
1919	121	615	2,060	1,151	377	<0.5	4,324	43	257	385	312	58	<0.5	1,055
1920	***186***	***3,117***	***691***	***1,226***	***505***	***6***	***5,731***	***66***	***1,528***	***129***	***332***	***78***	***1***	***2,134***
1921	***280***	***326***	***581***	***688***	***89***	***<0.5***	***1,964***	***100***	***136***	***109***	***186***	***14***	***<0.5***	***545***
1922	***606***	***3,794***	***1,132***	***952***	***133***	***1***	***6,618***	***216***	***1,860***	***212***	***258***	***21***	***<0.5***	***2,567***
1923	***550***	***1,770***	***1,379***	***1,593***	***160***	***1***	***5,453***	***196***	***741***	***258***	***432***	***25***	***<0.5***	***1,652***
1924	***841***	***4,178***	***2,608***	***1,870***	***211***	***<0.5***	***9,708***	***300***	***2,048***	***487***	***507***	***33***	***<0.5***	***3,375***
1925	***778***	***1,940***	***4,010***	***1,587***	***135***	***<0.5***	***8,450***	***278***	***812***	***749***	***430***	***21***	***<0.5***	***2,290***
1926	***1,217***	***4,465***	***3,904***	***2,208***	***298***	***<0.5***	***12,092***	***435***	***2,189***	***730***	***598***	***46***	***<0.5***	***3,998***
1927	***951***	***1,551***	***4,578***	***2,016***	***204***	***<0.5***	***9,300***	***340***	***649***	***856***	***546***	***32***	***<0.5***	***2,423***
1928	***310***	***2,434***	***5,528***	***2,073***	***116***	***1***	***10,462***	***111***	***1,193***	***1,033***	***562***	***18***	***<0.5***	***2,917***
1929	***411***	***4,015***	***3,309***	***2,827***	***248***	***<0.5***	***10,810***	***147***	***1,680***	***619***	***766***	***39***	***<0.5***	***3,251***
1930	***898***	***4,096***	***1,512***	***1,671***	***434***	***2***	***8,613***	***321***	***2,008***	***283***	***453***	***67***	***<0.5***	***3,132***
1931	***430***	***2,925***	***3,454***	***1,494***	***253***	***2***	***8,558***	***154***	***1,224***	***646***	***405***	***39***	***1***	***2,469***
1932	***496***	***2,048***	***4,973***	***2,009***	***267***	***2***	***9,795***	***177***	***1,004***	***929***	***545***	***42***	***1***	***2,698***
1933	235	4,790	1,310	1,617	184	1	8,137	84	2,004	245	438	29	<0.5	2,800
1934	330	4,209	3,890	2,005	333	1	10,768	118	2,063	727	543	52	<0.5	3,503
1935	636	5,668	4,385	2,818	382	1	13,8[illegible]	227	2,371	820	764	59	<0.5	4,241
1936	1,336	2,756	6,649	2,411	591	6	13,749	477	1,351	1,243	653	92	1	3,817
1937	1,569	11,515	4,786	1,387	422	4	19,683	560	4,818	895	376	66	1	6,716
1938	932	2,602	4,353	2,111	379	5	10,382	333	1,275	814	572	59	1	3,054
1939	602	7,673	3,704	2,103	176	6	14,264	215	3,211	692	570	27	1	4,716
1940	998	1,747	9,363	2,049	245	12	14,414	356	856	1,750	555	38	3	3,558
1941	1,665	5,720	10,482	2,856	322	5	21,050	595	2,393	1,959	774	50	1	5,772
1942	2,318	580	4,967	2,147	510	9	10,531	828	284	928	582	79	2	2,703
1943	116	4,292	4,313	1,510	203	4	10,438	41	1,796	806	409	32	1	3,085
1944	212	1,917	2,715	1,782	315	7	6,948	76	940	508	483	49	2	2,058
1945	228	7,385	6,230	2,488	311	6	16,648	81	3,090	1,164	674	48	1	5,058
1946	1,378	251	8,120	963	331	7	11,050	492	123	1,518	261	51	2	2,447
1947	581	9,936	9,945	2,403	330	4	23,199	207	4,157	1,859	651	51	1	6,926
1948	455	1,610	8,147	2,169	710	11	13,102	162	789	1,523	588	110	3	3,175
1949	915	6,507	5,260	1,784	570	7	15,043	327	2,722	983	483	89	2	4,606
1950	1,265	4,346	11,194	2,033	684	7	19,529	452	2,130	2,092	551	106	2	5,333

a. Landed weights prior to 1930 are the sum of landed weights in Tables 12 and 22 and for 1930 to 1932 landed weights are from Table 33; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1933-1950 landed weights from Table 33; transfers in these years accounted for by DMF (see Appendix F, Section 4) .

Table 50. Strait of Georgia (areas 14-18) commercial salmon and steelhead landings, 1883-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1883	-	-	-	-	300	-	300	-	-	-	-	65	-	65
1884	33	-	17	78	359	<0.5	487	11	-	3	32	78	<0.5	124
1885	44	-	20	92	386	<0.5	542	15	-	4	37	84	<0.5	140
1886	-	-	3	12	10	<0.5	25	-	-	1	5	2	<0.5	8
1887	11	-	9	38	39	<0.5	97	4	-	2	15	8	<0.5	29
1888	-	-	-	198	6	-	204	-	-	-	80	1	-	81
1889	3	-	-	56	6	-	65	1	-	-	22	1	-	24
1890	4	-	-	52	13	-	69	1	-	-	21	3	-	25
1891	3	-	-	53	14	-	70	1	-	-	21	3	-	25
1892	3	-	-	221	18	-	242	1	-	-	89	4	-	94
1893	3	-	-	221	18	-	242	1	-	-	89	4	-	94
1894	-	-	-	220	10	-	230	-	-	-	89	2	-	91
1895	3	-	-	23	8	-	34	1	-	-	9	2	-	12
1896	3	-	-	45	9	-	57	1	-	-	18	2	-	21
1897	14	-	-	69	25	-	108	5	-	-	28	5	-	38
1898	14	-	-	113	79	-	206	5	-	-	45	17	-	67
1899	14	-	-	117	80	-	211	5	-	-	47	17	-	69
1900	14	-	-	119	79	-	212	5	-	-	48	17	<0.5	70
1901	3	-	-	120	86	3	212	1	<0.5	<0.5	49	19	1	70
1902	3	9	871	118	100	3	1,104	1	4	171	48	22	1	247
1903	4	4	415	116	102	3	644	1	2	81	47	22	1	154
1904	4	7	705	114	102	3	935	1	4	139	46	22	1	213
1905	-	3	334	103	49	2	491	-	1	66	42	11	<0.5	120
1906	6	6	599	116	59	2	788	2	3	118	47	13	<0.5	183
1907	5	10	558	116	58	2	749	2	4	110	47	13	<0.5	176
1908	-	6	578	106	59	2	751	-	3	114	43	13	-	173
1909	-	6	589	106	12	-	713	-	2	116	43	3	<0.5	164
1910	-	18	1,813	101	268	9	2,209	-	9	356	41	58	2	466
1911	-	7	668	114	94	1	884	-	3	131	46	20	<0.5	200
1912	6	222	806	209	284	1	1,528	2	109	158	84	62	<0.5	415
1913	467	237	1,728	295	208	<0.5	2,935	160	95	339	119	45	<0.5	758
1914	320	14	2,240	586	373	<0.5	3,533	110	7	440	236	81	<0.5	874
1915	61	7	1,278	2,361	1,489	1	5,197	21	3	251	952	324	<0.5	1,551
1916	92	96	718	855	329	<0.5	2,090	32	47	141	345	72	<0.5	637
1917	54	436	2,704	735	360	2	4,291	19	175	531	296	78	<0.5	1,099
1918	7	327	4,014	1,114	557	1	6,020	2	160	789	449	121	<0.5	1,521
1919	104	458	894	1,578	876	1	3,911	36	184	176	636	190	<0.5	1,222

Table 50. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1920	***1***	***60***	***73***	***326***	***197***	***<0.5***	***657***	-	***29***	***14***	***131***	***43***	***<0.5***	***217***
1921	***3***	***10***	***834***	***524***	***252***	***<0.5***	***1,623***	***1***	***4***	***164***	***211***	***55***	***<0.5***	***435***
1922	***38***	***142***	***1,901***	***565***	***238***	***<0.5***	***2,884***	***13***	***70***	***373***	***228***	***52***	***<0.5***	***736***
1923	***2***	***182***	***2,016***	***318***	***160***	***<0.5***	***2,678***	***1***	***73***	***396***	***128***	***35***	***<0.5***	***633***
1924	***2***	***452***	***2,739***	***298***	***106***	***<0.5***	***3,597***	***1***	***222***	***538***	***120***	***23***	***<0.5***	***904***
1925	***89***	***1,582***	***2,172***	***652***	***233***	***<0.5***	***4,728***	***30***	***635***	***427***	***263***	***51***	***<0.5***	***1,406***
1926	***49***	***663***	***2,109***	***765***	***201***	***<0.5***	***3,787***	***17***	***325***	***414***	***308***	***44***	***<0.5***	***1,108***
1927	***127***	***1,106***	***604***	***1,096***	***242***	-	***3,175***	***44***	***444***	***119***	***442***	***53***	-	***1,102***
1928	***72***	***281***	***3,314***	***840***	***345***	-	***4,852***	***25***	***138***	***651***	***339***	***75***	-	***1,228***
1929	***20***	***1,071***	***897***	***1,192***	***209***	***<0.5***	***3,389***	***7***	***430***	***176***	***481***	***45***	***<0.5***	***1,139***
1930	***181***	***152***	***2,246***	***1,427***	***215***	***<0.5***	***4,221***	***62***	***74***	***441***	***575***	***47***	***<0.5***	***1,199***
1931	***197***	***1,942***	***1,712***	***717***	***107***	-	***4,675***	***68***	***780***	***336***	***289***	***23***	-	***1,496***
1932	***75***	***159***	***2,224***	***1,037***	***164***	-	***3,659***	***26***	***78***	***437***	***418***	***36***	-	***995***
1933	60	2,201	392	605	314	-	3,572	20	884	77	244	68	-	1,293
1934	139	287	2,316	875	88	-	3,705	48	141	455	353	19	-	1,016
1935	143	1,002	2,270	800	214	-	4,429	49	402	446	323	47	-	1,267
1936	29	<0.5	2,157	1,013	162	-	3,361	10	<0.5	424	408	35	-	877
1937	72	492	2,007	910	484	<0.5	3,965	25	197	394	367	105	<0.5	1,088
1938	<0.5	<0.5	3,391	491	31	-	3,913	<0.5	<0.5	666	198	7	-	871
1939	1	104	586	1,513	191	-	2,395	<0.5	42	115	610	42	-	809
1940	84	10	1,486	866	188	-	2,634	29	5	292	349	41	-	716
1941	456	67	5,079	1,194	181	<0.5	6,977	156	27	998	481	39	<0.5	1,701
1942	<0.5	<0.5	1,157	618	172	-	1,947	<0.5	<0.5	227	249	37	-	513
1943	3	69	2,187	812	220	<0.5	3,291	1	28	430	327	48	<0.5	834
1944	18	3	599	838	242	1	1,701	6	1	118	338	53	<0.5	516
1945	11	257	1,392	1,320	295	10	3,285	4	103	273	532	64	2	978
1946	114	6	2,041	449	223	1	2,834	39	3	401	181	49	<0.5	673
1947	64	1,296	984	378	240	1	2,963	22	521	193	152	52	<0.5	940
1948	5	3	2,053	1,061	204	1	3,327	2	1	403	428	44	<0.5	878
1949	20	728	1,236	476	409	<0.5	2,869	7	292	243	192	89	<0.5	823
1950	97	13	2,767	666	86	<0.5	3,629	33	6	544	269	19	<0.5	871

a. Landed weights prior to 1930 are the sum of landed weights in Tables 13 and 23 and for 1930 to 1932 landed weights are from Table 34; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1933-1950 landed weights from Table 34; transfers in these years accounted for by DMF (see Appendix F, Section 4).

Table 51. Juan de Fuca Strait (areas 19-20) commercial salmon and steelhead landings, 1877-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1877	5	-	-	1	13	-	19	2	-	-	<0.5	2	-	4
1878	5	-	-	1	15	-	21	2	-	-	<0.5	2	-	4
1879	8	-	-	1	18	-	27	3	-	-	<0.5	2	-	5
1880	14	-	-	2	25	-	41	4	-	-	1	3	-	8
1881	19	-	-	3	35	-	57	6	-	-	1	5	-	12
1882	28	-	-	5	48	-	81	9	-	-	1	6	-	16
1883	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	<0.5	-	-	4	15	1	20	<0.5	-	-	1	2	<0.5	3
1887	3	-	-	10	45	1	59	1	-	-	3	6	<0.5	10
1888	2	-	-	11	44	2	59	1	-	-	3	6	<0.5	10
1889	1	-	-	10	38	2	51	<0.5	-	-	3	5	<0.5	8
1890	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1892	<0.5	-	-	2	13	<0.5	15	<0.5	-	-	1	2	<0.5	3
1893	6	-	-	3	23	<0.5	32	2	-	-	1	3	<0.5	6
1894	6	-	-	3	24	<0.5	33	2	-	-	1	3	<0.5	6
1895	8	-	-	4	26	<0.5	38	3	-	-	1	3	<0.5	7
1896	8	-	-	4	25	<0.5	37	3	-	-	1	3	<0.5	7
1897	11	-	-	4	29	<0.5	44	4	-	-	1	4	<0.5	9
1898	14	-	-	5	33	<0.5	52	4	-	-	1	4	<0.5	9
1899	14	-	-	5	33	<0.5	52	4	-	-	1	4	<0.5	9
1900	14	-	-	5	32	<0.5	51	4	-	-	1	4	<0.5	9
1901	4	3	2	6	42	1	58	1	1	<0.5	2	5	<0.5	9
1902	4	<0.5	-	6	45	<0.5	55	1	<0.5	-	2	6	<0.5	9
1903	5	20	10	13	77	3	128	2	8	2	4	10	1	27
1904	***147***	1	946	***127***	***147***	2	***1,370***	***47***	<0.5	184	***35***	***19***	<0.5	***285***
1905	***1,515***	40	1,164	***249***	124	5	***3,097***	***489***	15	226	***68***	16	1	***815***
1906	161	93	1,085	245	279	5	1,868	52	50	211	67	36	1	417
1907	110	397	1,103	362	293	7	2,272	36	150	214	99	37	2	538
1908	436	2	1,073	378	326	5	2,220	141	1	208	103	42	1	496
1909	1,683	325	1,437	277	125	5	3,852	543	123	279	76	16	1	1,038
1910	662	1	196	385	1,442	26	2,712	214	<0.5	38	105	184	7	548
1911	166	722	452	329	247	4	1,920	54	272	88	90	32	1	537
1912	577	1	223	379	766	5	1,951	186	<0.5	43	104	98	1	432
1913	1,730	447	10	243	876	16	3,322	558	169	2	67	112	4	912

Table 51. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1914	484	18	4	970	4,393	65	5,934	156	10	1	265	560	17	1,009
1915	84	408	26	429	966	19	1,932	27	154	5	117	123	5	431
1916	182	1	28	329	727	7	1,274	59	<0.5	5	90	93	2	249
1917	1,221	847	13	330	424	5	2,840	394	320	3	90	54	1	862
1918	78	8	685	167	223	1	1,162	25	5	133	46	28	<0.5	237
1919	203	779	135	703	481	3	2,304	66	294	26	192	61	1	640
1920	***147***	***6***	***171***	***310***	***561***	***3***	***1,198***	***47***	***3***	***33***	***85***	***72***	***1***	***241***
1921	***145***	***218***	***84***	***327***	***588***	***8***	***1,370***	***47***	***82***	***16***	***89***	***75***	***2***	***311***
1922	***118***	***10***	***1***	***357***	***949***	***10***	***1,445***	***38***	***6***	***0***	***98***	***121***	***3***	***266***
1923	***85***	***317***	***182***	***479***	***54***	***<0.5***	***1,117***	***27***	***119***	***35***	***131***	***7***	***<0.5***	***319***
1924	***133***	***20***	***126***	***565***	***135***	***2***	***981***	***43***	***11***	***25***	***154***	***17***	***<0.5***	***250***
1925	***150***	***731***	***33***	***616***	***447***	***7***	***1,984***	***48***	***276***	***6***	***168***	***57***	***2***	***557***
1926	***83***	***7***	***74***	***264***	***353***	***4***	***785***	***27***	***4***	***14***	***72***	***45***	***1***	***163***
1927	***167***	***703***	***42***	***339***	***379***	***4***	***1,634***	***54***	***265***	***8***	***93***	***48***	***1***	***469***
1928	***109***	***2***	***23***	***283***	***544***	***5***	***966***	***35***	***1***	***4***	***77***	***69***	***1***	***187***
1929	***139***	***599***	***210***	***349***	***351***	***5***	***1,653***	***45***	***226***	***41***	***95***	***45***	***1***	***453***
1930	***211***	***7***	***23***	***227***	***214***	***1***	***683***	***68***	***4***	***5***	***62***	***27***	***<0.5***	***166***
1931	***96***	***604***	***429***	***154***	***154***	***4***	***1441***	***31***	***228***	***83***	***42***	***20***	***1***	***405***
1932	***165***	***4***	***24***	***173***	***224***	***7***	***597***	***53***	***2***	***5***	***47***	***29***	***2***	***138***
1933	385	1029	25	238	191	4	1872	124	388	5	65	24	1	607
1934	316	<0.5	30	18	103	3	470	102	<0.5	6	5	13	1	127
1935	214	704	12	171	361	4	1466	69	265	2	47	46	1	430
1936	151	-	23	133	201	5	513	49	-	4	36	26	1	116
1937	262	385	10	90	222	2	971	84	145	2	25	28	<0.5	284
1938	159	2	88	13	169	7	438	51	1	17	4	22	2	97
1939	161	414	95	107	275	5	1057	52	156	19	29	35	1	292
1940	100	2	82	164	135	2	485	32	1	16	45	17	1	112
1941	69	209	3	313	392	6	992	22	79	1	86	50	2	240
1942	308	<0.5	13	152	292	5	770	99	<0.5	3	42	37	1	182
1943	50	90	5	123	178	5	451	16	34	1	34	23	1	109
1944	173	3	121	344	137	4	782	56	2	23	94	17	1	193
1945	81	723	18	428	522	9	1781	26	273	3	117	67	2	488
1946	2021	8	110	184	289	7	2619	652	4	21	50	37	2	766
1947	31	1379	143	243	137	4	1937	10	520	28	66	17	1	642
1948	187	<0.5	53	129	264	5	638	60	<0.5	10	35	34	1	140
1949	252	3538	247	548	282	3	4870	81	1335	48	150	36	1	1651
1950	941	18	266	529	353	5	2112	303	10	52	145	45	1	556

a. Landed weights prior to 1930 are the sum of landed weights in Tables 14 and 24 and for 1930 to 1932 landed weights are from Table 35; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1933-1950 landed weights from Table 35; transfers in these years accounted for by DMF (see Appendix F, Section 4) .

Table 52. West Coast Vancouver Island (areas 21-27) commercial salmon and steelhead landings, 1887-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1887	22	-	-	4	30	<0.5	56	9	-	-	1	4	<0.5	14
1888	11	-	-	2	14	-	27	4	-	-	<0.5	2	-	6
1889	11	-	-	2	15	<0.5	28	4	-	-	1	2	<0.5	7
1890	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5
1891	-	-	-	2	7	<0.5	9	-	-	-	<0.5	1	<0.5	1
1892	11	-	-	2	16	<0.5	29	4	-	-	1	2	<0.5	7
1893	30	-	-	6	41	<0.5	77	12	-	-	1	6	<0.5	19
1894	33	-	-	6	46	<0.5	85	13	-	-	2	6	<0.5	21
1895	130	-	-	24	44	<0.5	198	51	-	-	6	6	<0.5	63
1896	184	-	-	34	47	<0.5	265	73	-	-	8	7	<0.5	88
1897	196	-	-	36	65	<0.5	297	78	-	-	9	9	<0.5	96
1898	176	-	-	32	70	<0.5	278	70	-	-	8	10	<0.5	88
1899	202	-	-	37	71	<0.5	310	80	-	-	9	10	<0.5	99
1900	277	-	-	50	74	<0.5	401	110	-	-	13	10	<0.5	133
1901	152	<0.5	51	41	89	<0.5	333	60	<0.5	10	10	13	<0.5	93
1902	165	<0.5	111	44	95	<0.5	415	65	<0.5	22	11	13	<0.5	111
1903	290	<0.5	60	46	125	1	522	115	<0.5	12	11	18	<0.5	156
1904	251	<0.5	6	56	154	1	468	99	<0.5	1	14	22	<0.5	136
1905	187	47	745	20	134	1	1,134	74	17	151	5	19	<0.5	266
1906	257	200	852	18	123	1	1,451	102	99	173	4	17	<0.5	395
1907	201	131	854	51	158	1	1,396	80	48	173	13	22	<0.5	336
1908	142	60	856	51	160	1	1,270	56	30	173	13	23	<0.5	295
1909	224	49	913	22	29	1	1,238	88	18	185	6	4	<0.5	301
1910	328	<0.5	87	26	282	2	725	130	<0.5	18	7	40	1	196
1911	424	1	531	204	391	1	1,552	167	<0.5	108	51	55	<0.5	381
1912	3,003	<0.5	781	321	90	1	4,196	1,187	<0.5	158	80	13	<0.5	1,438
1913	1,267	125	1,432	320	517	1	3,662	501	46	290	80	73	<0.5	990
1914	1,522	5	408	197	496	2	2,630	602	2	83	49	70	<0.5	806
1915	857	38	412	323	961	2	2,593	339	14	83	81	136	1	654
1916	112	52	1,382	1,430	3,870	9	6,855	44	26	280	358	546	3	1,257
1917	118	37	5,517	1,154	3,108	7	9,941	47	14	1,117	289	438	2	1,907
1918	154	125	5,485	1,647	3,945	9	11,365	61	62	1,110	413	556	3	2,205
1919	173	71	4,816	2,254	6,407	11	13,732	68	26	975	565	904	3	2,541
1920	***199***	***23***	***363***	***752***	***2,443***	***3***	***3,783***	***79***	***11***	***74***	***188***	***345***	***1***	***698***
1921	***54***	***24***	***1,852***	***738***	***2,139***	***4***	***4,811***	***21***	***9***	***375***	***185***	***302***	***1***	***893***
1922	***237***	***213***	***4,239***	***922***	***2,674***	***4***	***8,289***	***93***	***105***	***858***	***231***	***377***	***1***	***1,665***
1923	***166***	***15***	***5,762***	***603***	***1,359***	***1***	***7,906***	***66***	***6***	***1,166***	***151***	***192***	***<0.5***	***1,581***

Table 52. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1924	***158***	***1,004***	***6,945***	***570***	***1,316***	***1***	***9,994***	***62***	***497***	***1,406***	***143***	***186***	***<0.5***	***2,294***
1925	***211***	***18***	***5,984***	***1,686***	***1,368***	***1***	***9,268***	***84***	***7***	***1,211***	***422***	***193***	***<0.5***	***1,917***
1926	***297***	***876***	***6,771***	***1,228***	***1,730***	***1***	***10,903***	***118***	***434***	***1,371***	***308***	***244***	***<0.5***	***2,475***
1927	***607***	***264***	***8,307***	***1,282***	***2,059***	***5***	***12,524***	***240***	***98***	***1,682***	***321***	***290***	***2***	***2,633***
1928	***496***	***415***	***15,620***	***969***	***1,136***	-	***18,636***	***196***	***206***	***3,162***	***243***	***160***	-	***3,967***
1929	***252***	***4***	***9,484***	***1,302***	***1,461***	***1***	***12,504***	***100***	***1***	***1,920***	***326***	***206***	***<0.5***	***2,553***
1930	***342***	***1,787***	***9,351***	***1,575***	***1,534***	***17***	***14,606***	***135***	***885***	***1,893***	***395***	***216***	***5***	***3,529***
1931	***100***	***44***	***10,213***	***1,042***	***2,453***	***1***	***13,853***	***40***	***16***	***2,067***	***261***	***346***	***<0.5***	***2,730***
1932	***434***	***213***	***2,621***	***903***	***1,741***	***5***	***5,917***	***171***	***105***	***531***	***226***	***246***	***1***	***1,280***
1933	460	80	4,104	1,004	1,100	4	6,752	182	30	831	252	155	1	1,451
1934	675	118	6,009	1,006	1,434	-	9,242	267	58	1,216	252	202	-	1,995
1935	327	30	5,192	1,921	2,143	<0.5	9,613	129	11	1,051	481	302	<0.5	1,974
1936	496	656	11,755	872	1,287	18	15,084	196	325	2,380	219	182	6	3,308
1937	498	2,596	3,084	730	1,228	3	8,139	197	958	624	183	173	1	2,136
1938	426	170	6,227	1,605	901	6	9,335	168	84	1,261	402	127	2	2,044
1939	92	10	3,578	1,867	1,102	2	6,652	36	4	724	468	155	1	1,388
1940	229	30	4,536	2,683	845	3	8,326	91	15	918	673	119	1	1,817
1941	150	32	8,517	2,185	1,242	3	12,129	59	12	1,724	548	175	1	2,519
1942	140	7	7,554	1,376	1,166	-	10,243	55	4	1,529	345	164	-	2,097
1943	68	11	1,598	1,361	1,246	<0.5	4,284	27	4	323	341	176	<0.5	871
1944	16	<0.5	204	2,327	1,426	<0.5	3,973	6	<0.5	41	583	201	<0.5	831
1945	24	139	753	2,305	1,205	<0.5	4,426	9	51	152	578	170	<0.5	960
1946	156	1	3,194	1,807	2,558	5	7,721	62	1	646	453	361	2	1,525
1947	72	1,341	1,132	1,591	1,158	1	5,295	28	495	229	399	163	<0.5	1,314
1948	83	8	3,001	2,352	2,209	2	7,655	33	4	608	589	312	1	1,547
1949	312	447	1,399	2,074	2,275	1	6,508	123	165	283	520	321	<0.5	1,412
1950	147	209	3,627	1,768	2,593	5	8,349	58	103	734	443	366	1	1,705

a. Landed weights prior to 1930 are the sum of landed weights in Tables 15 and 25 and for 1930 to 1932 landed weights are from Table 36; for some species and years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1933-1950 landed weights from Table 36; transfers in these years accounted for by DMF (see Appendix F, Section 4) .

Table 53. Fraser River (areas 28-29A,B,C,D,E) commercial salmon and steelhead landings, 1876-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1828	-	-	-	3	1	-	4	-	-	-	1	<0.5	-	1
1829	10	-	-	1	2	-	13	3	-	-	<0.5	<0.5	-	4
1830	20	-	-	1	4	-	25	6	-	-	<0.5	1	-	7
1831	29	-	-	2	6	-	37	9	-	-	1	1	-	11
1832	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1833	26	-	-	2	5	-	33	8	-	-	1	1	-	10
1834	6	-	-	-	1	-	7	2	-	-	-	<0.5	-	2
1835	69	-	-	4	13	-	86	22	-	-	1	2	-	25
1836	20	-	-	1	4	-	25	6	-	-	<0.5	1	-	7
1837	44	-	-	3	8	-	55	14	-	-	1	1	-	16
1838	58	-	-	4	11	-	73	18	-	-	1	-	-	21
1839	39	-	-	2	7	-	48	12	-	-	1	1	-	14
1840	29	-	-	2	6	-	37	9	-	-	1	1	-	11
1841	53	-	-	3	10	-	66	17	-	-	1	1	-	19
1842	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1843	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1844	87	-	-	5	16	-	108	28	-	-	1	2	-	31
1845	78	-	-	5	15	-	98	25	-	-	1	2	-	28
1846	157	-	-	10	29	-	196	50	-	-	3	4	-	56
1847	136	-	-	8	25	-	169	43	-	-	2	3	-	49
1848	167	-	-	10	31	-	208	53	-	-	3	4	-	60
1849	256	-	-	16	48	-	320	81	-	-	5	6	-	92
1850	157	-	-	10	29	-	196	50	-	-	3	4	-	56
1851	93	-	-	6	17	-	116	30	-	-	2	2	-	33
1852	179	-	-	11	34	-	224	57	-	-	3	4	-	65
1853	196	-	-	12	37	-	245	62	-	-	3	5	-	71
1854	196	-	-	12	37	-	245	62	-	-	3	5	-	71
1855	44	-	-	3	8	-	55	14	-	-	1	1	-	16
1856	50	-	-	3	9	-	62	16	-	-	1	1	-	18
1857	59	-	-	4	11	-	74	19	-	-	1	1	-	21
1858	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1859	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1860	29	-	-	21	23	-	73	9	-	-	6	3	-	18
1861	59	-	-	42	47	-	148	19	-	-	12	6	-	37
1862	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1863	2	-	-	1	1	-	4	1	-	-	<0.5	<0.5	-	1
1864	5	-	-	4	4	-	13	2	-	-	1	1	-	5

Table 53. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1865	34	-	-	24	27	-	85	11	-	-	7	4	-	22
1866	30	-	-	22	24	-	76	10	-	-	6	3	-	19
1867	26	-	-	18	21	-	65	8	-	-	5	3	-	16
1868	68	-	-	48	54	-	170	22	-	-	14	7	-	43
1869	53	-	-	38	42	-	133	17	-	-	11	6	-	34
1870	131	-	-	94	121	-	346	42	-	-	27	16	-	85
1871	46	-	-	25	46	-	117	15	-	-	7	6	-	28
1872	66	-	-	32	44	-	142	21	-	-	9	6	-	36
1873	528	-	-	190	174	-	892	167	-	-	54	23	-	244
1874	822	-	-	134	115	-	1,071	261	-	-	38	15	-	314
1875	370	-	-	38	39	-	447	117	-	-	11	5	-	133
1876	401	-	-	48	23	-	472	127	-	-	13	3	-	143
1877	2,641	-	-	133	148	-	2,922	838	-	-	38	20	-	896
1878	4,085	-	-	378	228	-	4,691	1,297	-	-	107	30	-	1,434
1879	1,942	-	-	44	42	<0.5	2,028	616	-	-	13	6	<0.5	635
1880	976	-	-	657	156	2	1,791	310	-	-	186	21	<0.5	517
1881	5,625	-	-	212	758	8	6,603	1,786	-	-	60	100	2	1,948
1882	6,848	<0.5	1	1,012	231	<0.5	8,092	2,174	<0.5	<0.5	286	30	<0.5	2,490
1883	3,852	1	14	503	375	2	4,747	1,223	<0.5	2	142	49	<0.5	1,416
1884	991	2	15	694	515	5	2,222	315	1	3	196	68	1	584
1885	3,538	2	18	268	666	5	4,497	1,123	1	3	76	88	1	1,292
1886	1,435	<0.5	2	2,366	372	3	4,178	456	<0.5	<0.5	668	49	1	1,174
1887	4,783	<0.5	5	299	618	7	5,712	1,519	<0.5	1	84	81	1	1,686
1888	1,539	-	-	1,472	692	11	3,714	488	-	-	416	91	2	997
1889	11,730	-	-	348	855	9	12,942 [b]	3,724	-	-	98	113	2	3,937
1890	8,637	-	-	883	648	10	10,178 [b]	2,742	-	-	249	85	2	3,078
1891	5,044	-	-	1,797	880	9	7,730 [b]	1,601	-	-	508	116	2	2,227
1892	2,309	-	-	1,641	923	13	4,886	733	-	-	464	122	3	1,322
1893	17,561	-	-	981	1,365	14	19,921 [b]	5,575	-	-	277	180	3	6,035
1894	13,815	-	-	307	550	8	14,680 [b]	4,386	-	-	87	72	2	4,547
1895	13,780	-	-	2,736	814	8	17,338 [b]	4,374	-	-	773	107	1	5,255
1896	12,426	-	-	1,918	475	6	14,825 [b]	3,945	-	-	542	63	1	4,551
1897	32,494	-	340	1,192	764	7	34,797 [b]	10,315	-	59	337	101	1	10,813
1898	8,244	-	2,268	1,786	354	3	12,655 [b]	2,617	-	393	504	47	1	3,562
1899	18,559	150	1,851	1,053	711	7	22,331 [b]	5,892	53	321	297	94	1	6,658
1900	6,539	467	7,798	1,141	567	8	16,520 [b]	2,076	212	1,352	322	75	1	4,038
1901	37,198	873	2,960	921	997	7	42,956 [b]	11,809	309	513	260	131	1	13,023
1902	11,296	18	4,979	1,373	734	8	18,408 [b]	3,586	8	863	388	97	2	4,944

Table 53. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1903	7,837	777	2,420	1,158	1,006	7	13,205[b]	2,488	276	419	327	133	1	3,644
1904	2,649	51	6,898	1,857	1,066	10	12,531	841	23	1,195	525	140	2	2,726
1905	***30,461***	1,241	4,554	***1,406***	***3,290***	33	***40,985***	***9,670***	440	789	***397***	***433***	7	***11,736***
1906	***6,826***	510	4,735	***1,418***	1,442	19	***14,950***	***2,167***	232	821	***401***	190	4	***3,815***
1907	2,289	3,160	2,989	1,523	1,650	16	11,627	727	1,120	518	430	217	3	3,015
1908	2,406	22	1,446	1,081	817	12	5,784	764	10	251	305	108	2	1,440
1909	20,668	483	1,647	945	1,265	12	25,020[b]	6,561	171	285	267	167	2	7,453
1910	5,070	22	6,066	1,397	1,698	15	14,268	1,610	10	1,051	395	224	3	3,293
1911	2,247	6,234	5,105	1,946	2,665	21	18,218	713	2,211	885	550	351	4	4,714
1912	4,146	110	7,514	1,831	4,856	25	18,482	1,316	50	1,302	517	640	5	3,830
1913	26,099	1,434	5,124	912	2,583	23	36,175[b]	8,285	508	888	258	340	4	10,283
1914	7,068	242	8,182	1,978	2,433	21	19,924	2,244	110	1,418	559	321	4	4,656
1915	3,432	5,120	1,881	2,574	6,364	61	19,432	1,089	1,816	326	727	838	12	4,808
1916	1,043	46	2,221	2,491	5,153	66	11,020	331	21	385	704	679	13	2,133
1917	4,758	5,251	2,892	1,921	4,818	40	19,680	1,511	1,862	501	543	635	8	5,060
1918	680	750	3,885	2,563	4,084	61	12,023	216	341	673	724	538	12	2,504
1919	1,088	1,494	1,727	3,290	6,866	77	14,542	345	530	299	929	905	15	3,023
1920	***1,701***	***58***	***2,781***	***1,857***	***3,465***	***38***	***9,900***	***540***	***26***	***482***	***524***	***457***	***10***	***2,029***
1921	***1,379***	***710***	***2,006***	***1,751***	***3,722***	***31***	***9,599***	***438***	***252***	***348***	***495***	***490***	***3***	***2,023***
1922	***1,827***	***114***	***3,361***	***1,990***	***4,319***	***52***	***11,663***	***580***	***52***	***582***	***562***	***569***	***14***	***2,345***
1923	***1,086***	***2,928***	***4,802***	***1,757***	***3,769***	***15***	***14,357***	***345***	***1,038***	***832***	***496***	***497***	***4***	***3,208***
1924	***1,313***	***81***	***8,440***	***1,873***	***3,820***	***72***	***15,599***	***417***	***37***	***1,463***	***529***	***503***	***3***	***2,949***
1925	***1,125***	***2,802***	***2,605***	***1,613***	***5,480***	***19***	***13,644***	***357***	***994***	***451***	***456***	***722***	***17***	***2,980***
1926	***3,019***	***58***	***2,696***	***1,104***	***4,118***	***16***	***11,011***	***958***	***26***	***467***	***312***	***543***	***23***	***2,306***
1927	***2,049***	***2,650***	***1,599***	***1,372***	***3,954***	***61***	***11,685***	***651***	***940***	***277***	***388***	***521***	***12***	***2,777***
1928	***967***	***3***	***4,269***	***1,753***	***3,260***	***101***	***10,353***	***307***	***1***	***740***	***495***	***430***	***20***	***1,973***
1929	***2,193***	***3,714***	***3,011***	***1,611***	***2,617***	***54***	***13,200***	***696***	***1,317***	***522***	***455***	***345***	***10***	***3,335***
1930	***3,914***	***18***	***1,722***	***1,852***	***3,360***	***119***	***10,985***	***1,243***	***8***	***298***	***523***	***443***	***23***	***2,515***
1931	***2,038***	***1,056***	***974***	***587***	***2,515***	***44***	***7,214***	***647***	***375***	***169***	***166***	***331***	***9***	***1,688***
1932	***3,096***	***2***	***789***	***746***	***3,323***	***66***	***8,022***	***983***	***1***	***137***	***211***	***438***	***13***	***1,770***
1933	1,946	3,758	3,971	716	2,666	46	13,103	618	1,333	688	202	351	9	3,201
1934	6,212	21	6,184	766	2,392	18	15,593[b]	1,972	10	1,072	216	315	4	3,589
1935	3,176	6,396	997	1,802	3,425	37	15,833	1,008	2,268	173	509	451	7	4,416
1936	8,058	<0.5	2,105	1,216	2,298	34	13,711	2,558	<0.5	365	343	303	7	3,576
1937	3,181	4,415	1,789	825	3,445	51	13,706	1,010	1,565	310	233	454	10	3,582
1938	8,033	3	3,201	1,583	1,875	10	14,705	2,550	1	555	447	247	2	3,802
1939	1,831	4,531	2,091	1,272	3,144	64	12,933	581	1,607	362	359	414	13	3,336
1940	3,057	1	1,904	660	2,006	55	7,683	971	<0.5	330	186	264	11	1,762

Table 53. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1941	4,628	3,242	3,161	1,014	2,443	26	14,514	1,469	1,150	548	286	322	[illegible]	3,780
1942	15,595	6	3,374	457	1,754	38	21,224	4,951	3	585	129	231	[illegible]	5,906
1943	992	1,051	2,226	370	1,039	34	5,712	315	373	386	105	137	[illegible]	1,323
1944	2,034	3	556	571	1,787	30	4,981	646	2	96	161	235	[illegible]	1,146
1945	2,659	3,562	1,432	1,038	2,277	55	11,023	844	1,263	248	293	300	[illegible]	2,959
1946	9,080	4	1,912	614	1,676	48	13,334	2,882	2	331	173	221	[illegible]	3,618
1947	965	4,064	1,630	664	1,743	33	9,099	306	1,441	283	188	230	[illegible]	2,454
1948	1,892	5	1,397	736	1,200	62	5,292	601	2	242	208	158	[illegible]	1,223
1949	2,290	3,073	1,640	512	1,593	40	9,148	727	1,090	284	145	210	[illegible]	2,464
1950	1,670	11	4,836	781	1,347	27	8,672	530	5	838	221	177	[illegible]	1,776

a. Landed weights prior to 1930 are the sum of landed weights in Tables 16 and 26 and for 1930 to 1932 landed weights are from Table 37; for some species and d years the authors adjusted these landings for transfers (adjusted landings shown in bold italics). 1933-1950 landed weights from Table 37; transfers in these years accounted for by DMF (see Appendix F, Section 5) .

b. Small volumes of sockeye (<10%) caught by US traps at Point Roberts included in Canadian Fraser River landings (Gilhousen 1992).

Table 54. British Columbia commercial salmon and steelhead landings, 1828-1950, estimated from canned pack and product statistics.[a]

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1828	-	-	-	3	1	-	4	-	-	-	1	<0.5	-	1
1829	10	-	-	1	2	-	13	3	-	-	<0.5	<0.5	-	4
1830	20	-	-	1	4	-	25	6	-	-	<0.5	1	-	7
1831	29	-	-	2	6	-	37	9	-	-	1	1	-	11
1832	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1833	26	-	-	2	5	-	33	8	-	-	1	1	-	10
1834	6	-	-	-	1	-	7	2	-	-	-	<0.5	-	2
1835	69	-	-	4	13	-	86	22	-	-	1	2	-	25
1836	20	-	-	1	4	-	25	6	-	-	<0.5	1	-	7
1837	44	-	-	3	8	-	55	14	-	-	1	1	-	16
1838	58	-	-	4	11	-	73	18	-	-	1	-	-	21
1839	39	-	-	2	7	-	48	12	-	-	1	1	-	14
1840	29	-	-	2	6	-	37	9	-	-	1	1	-	11
1841	53	-	-	3	10	-	66	17	-	-	1	1	-	19
1842	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1843	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1844	87	-	-	5	16	-	108	28	-	-	1	2	-	31
1845	78	-	-	5	15	-	98	25	-	-	1	2	-	28
1846	157	-	-	10	29	-	196	50	-	-	3	4	-	56
1847	136	-	-	8	25	-	169	43	-	-	2	3	-	49
1848	167	-	-	10	31	-	208	53	-	-	3	4	-	60
1849	256	-	-	16	48	-	320	81	-	-	5	6	-	92
1850	157	-	-	10	29	-	196	50	-	-	3	4	-	56
1851	93	-	-	6	17	-	116	30	-	-	2	2	-	33
1852	179	-	-	11	34	-	224	57	-	-	3	4	-	65
1853	196	-	-	12	37	-	245	62	-	-	3	5	-	71
1854	196	-	-	12	37	-	245	62	-	-	3	5	-	71
1855	44	-	-	3	8	-	55	14	-	-	1	1	-	16
1856	50	-	-	3	9	-	62	16	-	-	1	1	-	18
1857	59	-	-	4	11	-	74	19	-	-	1	1	-	21
1858	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1859	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1860	29	-	-	21	23	-	73	9	-	-	6	3	-	18
1861	59	-	-	42	47	-	148	19	-	-	12	6	-	37
1862	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1863	2	-	-	1	1	-	4	1	-	-	<0.5	<0.5	-	1
1864	5	-	-	4	4	-	13	2	-	-	1	1	-	5

Table 54. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1865	34	-	-	24	27	-	85	11	-	-	7	4	-	22
1866	30	-	-	22	24	-	76	10	-	-	6	3	-	19
1867	26	-	-	18	21	-	65	8	-	-	5	3	-	16
1868	68	-	-	48	54	-	170	22	-	-	14	7	-	43
1869	53	-	-	38	42	-	133	17	-	-	11	6	-	34
1870	131	-	-	94	121	-	346	42	-	-	27	16	-	85
1871	46	-	-	25	46	-	117	15	-	-	7	6	-	28
1872	66	-	-	32	44	-	142	21	-	-	9	6	-	36
1873	528	-	-	190	174	-	892	167	-	-	54	23	-	244
1874	822	-	-	134	115	-	1,071	261	-	-	38	15	-	314
1875	370	-	-	38	39	-	447	117	-	-	11	5	-	133
1876	401	-	-	48	23	-	472	127	-	-	13	3	-	143
1877	2,733	-	-	142	183	-	3,058	870	-	-	40	24	-	934
1878	4,351	-	-	406	336	-	5,093	1,388	-	-	114	45	-	1,547
1879	2,327	-	-	105	223	<0.5	2,655	748	-	-	27	30	<0.5	805
1880	1,652	-	-	752	423	2	2,829	541	-	-	208	56	<0.5	805
1881	6,676	-	-	370	1,078	8	8,132	2,145	-	-	98	144	2	2,389
1882	8,590	<0.5	1	1,227	650	<0.5	10,468	2,768	<0.5	<0.5	338	87	<0.5	3,193
1883	6,725	1	14	873	1,308	5	8,926	2,208	<0.5	2	230	204	1	2,645
1884	4,368	2	32	1,163	1,645	5	7,215	1,477	1	6	322	257	1	2,064
1885	4,106	2	38	449	1,220	5	5,820	1,320	1	7	136	196	1	1,661
1886	3,422	<0.5	5	2,604	887	13	6,931	1,142	<0.5	1	729	121	3	1,996
1887	7,191	<0.5	14	735	1,433	22	9,395	2,350	<0.5	3	195	197	5	2,750
1888	4,979	-	-	2,131	1,592	22	8,724	1,670	-	-	606	217	5	2,498
1889	15,169	-	-	784	1,517	16	17,486	4,904	-	-	212	204	4	5,324
1890	13,846	-	-	1,541	1,635	15	17,037	4,539	-	-	416	222	4	5,181
1891	9,286	-	-	2,287	1,608	17	13,198	3,070	-	-	632	216	4	3,922
1892	6,810	-	-	2,483	1,916	27	11,236	2,288	-	-	701	258	7	3,254
1893	21,757	-	-	1,746	2,140	26	25,669	7,037	-	-	496	287	6	7,826
1894	18,027	-	-	964	1,345	16	20,352	5,839	-	-	279	181	[illegible]	6,303
1895	19,184	-	-	3,320	1,659	15	24,178	6,250	-	-	917	224	[illegible]	7,395
1896	20,352	-	-	2,618	1,474	13	24,457	6,698	-	-	716	200	4	7,618
1897	37,195	-	340	1,837	1,648	13	41,033	11,953	-	59	504	225	4	12,745
1898	15,761	-	2,268	2,530	1,392	8	21,959	5,225	-	393	702	196	3	6,519
1899	26,158	150	1,851	1,929	2,014	12	32,114	8,533	53	321	527	278	4	9,716
1900	15,236	467	7,798	2,250	2,263	17	28,031	5,110	212	1,352	609	312	5	7,600

Table 54. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1901	44,109	1,957	3,054	1,620	2,706	18	53,464	14,219	776	532	448	371	5	16,351
1902	20,443	1,061	6,058	2,340	2,102	22	32,026	6,764	502	1,073	640	289	6	9,274
1903	14,165	1,838	2,994	2,377	2,737	25	24,136	4,707	733	531	635	376	6	6,988
1904	12,406	1,433	8,673	3,242	2,885	24	28,663	4,238	670	1,540	880	393	6	7,727
1905	41,280	1,768	7,275	2,451	4,778	52	57,604	13,409	661	1,313	673	638	11	16,705
1906	17,605	2,597	7,884	3,345	3,606	58	35,095	5,919	1,218	1,422	890	483	13	9,945
1907	11,882	5,335	6,220	3,913	3,583	93	31,026	4,056	2,024	1,132	1,033	481	21	8,747
1908	14,028	3,042	4,724	3,927	3,046	89	28,856	4,799	1,436	873	1,027	413	20	8,568
1909	32,550	2,357	5,499	3,158	3,230	39	46,833	10,662	958	1,016	830	432	10	13,908
1910	21,883	2,012	9,533	3,755	4,958	54	42,195	7,460	970	1,749	1,008	678	14	11,879
1911	15,173	13,048	9,104	5,522	5,727	37	48,611	5,215	5,097	1,663	1,459	774	9	14,217
1912	18,643	9,937	11,016	7,216	8,434	62	55,308	6,473	4,702	1,957	1,873	1,141	14	16,160
1913	36,654	9,414	10,063	4,259	7,649	92	68,131	11,970	3,897	1,836	1,138	1,036	21	19,898
1914	20,363	8,579	15,488	7,143	10,409	148	62,130	6,923	4,090	2,750	1,946	1,392	35	17,136
1915	17,518	14,774	6,963	10,652	11,802	275	61,984	6,001	5,945	1,266	3,112	1,692	60	18,076
1916	7,918	10,068	12,747	10,668	12,505	363	54,269	2,709	4,766	2,316	2,841	1,708	79	14,419
1917	13,106	18,875	20,391	9,098	10,874	298	72,642	4,384	7,694	3,793	2,412	1,493	67	19,843
1918	9,984	19,633	22,439	10,678	11,462	467	74,663	3,454	9,278	4,223	2,880	1,594	102	21,531
1919	13,467	12,430	18,538	12,372	17,432	333	74,572	4,628	5,199	3,447	3,438	2,434	73	19,219
1920	12,331	20,739	6,657	6,588	10,446	252	57,013	4,246	9,839	1,178	1,766	1,424	57	18,510
1921	6,193	8,006	7,201	7,590	8,975	226	38,191	2,114	3,369	1,336	2,016	1,224	50	10,109
1922	10,573	22,182	18,125	7,195	9,985	233	68,293	3,625	10,489	3,451	1,951	1,359	50	20,925
1923	12,925	17,042	23,049	7,769	7,650	168	68,603	4,457	7,115	4,290	2,055	1,039	37	18,993
1924	14,090	25,666	33,455	7,978	7,898	137	89,224	4,847	12,154	6,198	2,118	1,068	29	26,414
1925	14,982	17,188	31,416	9,747	11,241	96	84,670	5,191	7,111	5,891	2,593	1,518	22	22,326
1926	12,968	29,818	34,917	9,324	9,089	278	96,394	4,450	14,151	6,745	2,492	1,237	61	29,136
1927	12,033	9,775	26,579	9,323	9,484	387	67,581	4,149	3,916	5,222	2,555	1,295	83	17,220
1928	7,798	30,233	44,837	10,506	7,221	323	100,918	2,714	14,311	8,599	2,799	991	68	29,482
1929	10,826	17,951	22,097	11,457	6,079	198	68,608	3,722	7,393	4,226	3,122	835	43	19,341
1930	18,730	42,835	23,008	11,191	8,271	338	104,373	6,411	20,384	4,486	3,059	1,131	72	35,543
1931	11,344	12,995	20,974	6,692	7,309	310	59,624	3,881	5,452	4,043	1,797	991	66	16,230
1932	11,847	8,575	19,383	9,840	8,234	380	58,259	4,048	4,104	3,499	2,599	1,111	81	15,442
1933	10,203	21,840	16,539	8,256	6,766	246	63,850	3,521	8,977	3,084	2,152	914	53	18,701
1934	15,484	16,561	25,457	10,338	6,907	258	75,005	5,217	7,932	4,828	2,689	920	55	21,641
1935	14,352	21,754	23,530	12,986	8,148	160	80,930	4,916	8,780	4,497	3,403	1,110	34	22,740
1936	17,589	22,627	31,464	12,107	6,245	198	90,230	5,905	10,786	6,062	3,173	856	44	26,826
1937	13,197	25,966	21,239	7,876	7,818	167	76,263	4,542	10,558	4,026	2,106	1,080	35	22,347

Table 54. Continued

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1938	18,258	15,391	25,900	13,492	4,735	194	77,970	6,149	7,323	4,872	3,434	638	42	22,458
1939	9,658	23,577	15,252	11,671	6,263	169	66,590	3,311	9,759	2,881	3,175	851	36	20,013
1940	13,302	8,059	27,542	11,474	4,356	210	64,943	4,548	3,822	5,365	2,995	603	45	17,378
1941	15,771	14,491	35,585	14,318	5,842	189	86,196	5,354	5,932	6,781	3,775	796	41	22,679
1942	24,464	10,115	23,510	10,219	5,090	206	73,604	8,054	4,766	4,455	2,634	700	44	20,653
1943	5,789	19,207	17,078	8,919	3,922	162	55,077	1,988	8,274	3,157	2,333	546	35	16,333
1944	7,681	12,902	11,073	10,808	4,933	208	47,605	2,623	6,152	2,110	2,823	689	45	14,442
1945	11,239	29,712	16,511	14,087	5,807	192	77,548	3,832	12,565	2,995	3,725	804	41	23,962
1946	18,433	4,854	28,320	9,046	6,909	329	67,891	6,100	2,325	5,173	2,307	957	71	16,933
1947	9,791	22,989	26,548	9,137	5,219	161	73,845	3,383	9,327	4,772	2,367	726	34	20,609
1948	8,944	12,125	27,328	11,002	6,127	320	65,846	3,058	5,788	5,063	2,923	861	68	17,761
1949	8,657	23,931	17,663	9,800	6,581	149	66,781	2,958	9,835	3,253	2,535	937	32	19,550
1950	13,308	16,026	39,025	9,083	6,321	191	83,954	4,571	7,676	7,353	2,409	880	42	22,931

a. Source. Tables 44-53.

Table 55. Total British Columbia green landed weights (in 1,000 lb) of salmon processed in different forms, 1876-1929.[*]

Year	Non-Canned Products										Canned		Total All
	Dry-salted	Pickled	Fresh/ Frozen			Smoked	Mild Cured	Bait	Total Non-Canned				
	'000 lb		'000 lb	% of All	% of Non-Canned	'000 lb			'000 lb	% of All	'000 lb	% of All	'000 lb
1876	-	96	-	-	-	0	-	-	96	10	894	90	991
1877	-	712	-	-	-	13	-	-	725	11	5,661	89	6,386
1878	-	1,093	-	-	-	47	-	-	1,140	11	9,543	89	10,682
1879	-	435	15	0	3	56	-	-	506	9	5,132	91	5,638
1880	-	500	277	5	35	15	-	-	791	13	5,195	87	5,987
1881	-	983	1,538	9	60	23	-	-	2,544	15	14,891	85	17,436
1882	-	1,011	113	0	10	26	-	-	1,150	5	21,425	95	22,575
1883	-	939	1,102	6	32	1,373	-	-	3,414	17	16,489	83	19,903
1884	-	1,127	1,761	11	42	1,255	-	-	4,143	26	11,865	74	16,007
1885	-	694	2,082	16	51	1,271	-	-	4,046	31	9,116	69	13,162
1886	-	596	872	6	58	45	-	-	1,513	10	13,547	90	15,060
1887	-	892	2,325	11	71	58	-	-	3,274	16	17,148	84	20,422
1888	-	848	2,477	13	74	23	-	-	3,349	18	15,460	82	18,809
1889	-	749	2,187	6	74	23	-	-	2,959	8	34,857	92	37,816
1890	-	599	1,739	5	71	102	-	-	2,440	7	34,822	93	37,262
1891	-	271	2,091	7	81	212	-	-	2,574	9	26,392	91	28,965
1892	-	470	2,942	12	81	237	-	-	3,648	15	20,893	85	24,541
1893	-	1,138	3,594	6	72	251	-	-	4,982	9	51,047	91	56,029
1894	-	965	1,970	4	65	106	-	-	3,041	7	41,348	93	44,389
1895	-	630	1,796	3	72	82	-	-	2,507	5	50,483	95	52,990
1896	-	483	1,230	2	69	72	-	-	1,785	3	51,895	97	53,679
1897	750	1,004	1,815	2	49	166	-	-	3,735	4	86,230	96	89,965
1898	5,000	520	915	2	13	352	-	-	6,787	14	41,375	86	48,161
1899	3,750	690	1,874	3	28	370	-	-	6,684	9	63,778	91	70,461
1900	7,125	990	1,728	3	17	527	-	-	10,370	17	50,950	83	61,319
1876-1900 Avg.	665	737	1,458	6	45	268	-	-	3,128	12	28,017	88	31,145
1901	8,095	1,586	2,129	2	17	517	-	-	12,328	11	104,766	89	117,093
1902	13,071	1,336	2,196	3	13	680	-	-	17,283	25	52,682	75	69,965
1903	7,907	1,415	2,514	5	20	894	-	-	12,730	24	39,803	76	52,533
1904	18,900	1,250	2,548	4	11	756	-	-	23,454	37	39,135	63	62,589
1905	18,118	1,044	8,457	7	30	781	-	-	28,400	22	98,097	78	126,497
1906	16,875	436	5,156	7	21	745	1,077	-	24,289	31	52,874	69	77,164
1907	15,064	196	5,658	8	25	464	1,313	-	22,695	33	45,608	67	68,303
1908	10,118	251	3,635	6	23	750	1,208	-	15,961	25	47,569	75	63,531
1909	12,843	212	4,291	4	22	650	1,778	-	19,774	19	83,417	81	103,191
1901-1909 Avg.	13,443	858	4,065	5	20	693	597	-	19,657	25	62,661	75	82,318

Table 55. Continued

Table 55. C

Year	Non-Canned Products										Canned		Total All
	Dry-salted	Pickled	Fresh/ Frozen			Smoked	Mild Cured	Bait	Total Non-Canned				
	'000 lb		'000 lb	% of All	% of Non-Canned	'000 lb			'000 lb	% of All	'000 lb	% of All	'000 lb
1910	15,304	-	5,014	5	19	2,826	2,747	-	25,890	28	67,219	72	93,110
1911	13,400	-	7,591	7	32	689	2,359	-	24,039	22	83,153	78	107,191
1912	16,750	-	8,444	7	25	878	7,657	-	33,730	28	88,230	72	121,960
1913	15,431	-	11,830	8	35	2,367	3,780	-	33,408	22	116,865	78	150,273
1914	14,804	90	21,410	16	51	1,383	3,956	-	41,644	30	95,325	70	136,969
1915	3,921	107	35,070	26	85	767	1,546	-	41,410	30	95,209	70	136,619
1916	1,739	-	31,950	27	89	156	2,218	-	36,063	30	83,585	70	119,648
1917	1,584	-	26,207	16	89	248	1,291	-	29,330	18	130,829	82	160,158
1918	50	-	25,480	15	93	298	1,592	-	27,420	17	137,192	83	164,612
1919	1,029	-	44,178	27	93	1,251	880	-	47,338	29	117,103	71	164,441
1920	4,206	13	19,852	16	77	466	1,338	-	25,874	21	99,824	79	125,698
1921	8,026	60	23,771	28	71	226	1,470	-	33,553	40	50,623	60	84,176
1922	12,084	381	25,153	17	60	221	4,154	-	41,993	28	108,387	72	150,380
1910-1922 Avg.	8,333	130	21,996	17	63	906	2,691	-	33,976	26	97,965	74	131,941
1923	12,890	73	22,809	15	59	65	2,194	480	38,510	25	112,701	75	151,211
1924	19,399	322	27,219	14	55	112	2,369	322	49,742	25	146,808	75	196,551
1925	17,307	45	20,432	11	49	115	4,165	51	42,115	23	144,532	77	186,647
1926	17,482	158	18,930	9	49	146	2,093	89	38,899	18	173,540	82	212,439
1927	10,146	38	21,010	14	61	76	3,287	9	34,566	23	114,406	77	148,972
1928	21,282	1,052	25,313	11	50	94	3,220	16	50,976	23	170,993	77	221,969
1929	9,670	23	20,631	14	61	77	3,287	54	33,743	22	117,504	78	151,247
1923-1929 Avg.	15,454	245	22,335	13	55	98	2,945	146	41,222	23	140,069	77	181,291

a. Data from Table 27 coverted to green landed weights using conversion factors from Table 1

Table 56. British Columbia commercial salmon and steelhead landings in numbers of fish, 1920-1948, from DMF Annual Reports and as estimated from canned pack and product statistics in Table 54.

Year	Numbers (thousands) from DMF Annual Reports							Numbers (thousands) from this Report						
	Sockeye	Pink	Chum	Coho[a]	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1920	4,281	10,204	981	1,123	642	44	17,275	4,246	9,839	1,178	1,766	1,424	57	18,510
1921	2,160	3,834	1,292	1,230	407	39	8,962	2,114	3,369	1,336	2,016	1,224	50	10,109
1922	3,959	10,716	3,180	1,393	373	28	19,649	3,625	10,489	3,451	1,951	1,359	50	20,925
1923	4,474	7,917	4,908	1,247	343	43	18,932	4,457	7,115	4,290	2,055	1,039	37	18,993
1924	4,983	11,754	6,388	1,077	306	66	24,574	4,847	12,154	6,198	2,118	1,068	29	26,414
1925	4,990	7,634	6,715	1,949	667	34	21,989	5,191	7,111	5,891	2,593	1,518	22	22,326
1926	4,232	13,604	7,283	1,780	490	81	27,470	4,450	14,151	6,745	2,492	1,237	61	29,136
1927	4,072	4,155	5,347	1,748	614	82	16,018	4,149	3,916	5,222	2,555	1,295	83	17,220
1928	2,447	14,334	7,675	1,579	415	68	26,518	2,714	14,311	8,599	2,799	991	68	29,482
1929	3,604	7,552	3,928	1,832	345	78	17,339	3,722	7,393	4,226	3,122	835	43	19,341
1930	5,343	23,873	5,114	1,935	539	142	36,946	6,411	20,384	4,486	3,059	1,131	72	35,543
1931	3,070	3,273	4,033	1,427	425	109	12,337	3,881	5,452	4,043	1,797	991	66	16,230
1932	3,608	4,025	3,941	2,169	646	151	14,540	4,048	4,104	3,499	2,599	1,111	81	15,442
1933	3,562	9,368	3,120	1,968	448	74	18,540	3,521	8,977	3,084	2,152	914	53	18,701
1934	4,584	9,289	4,841	4,199	1,737	73	24,723	5,217	7,932	4,828	2,689	920	55	21,641
1935	4,607	7,405	5,016	3,271	1,341	46	21,686	4,916	8,780	4,497	3,403	1,110	34	22,740
1936	4,878	12,114	6,074	3,653	1,634	257	28,610	5,905	10,786	6,062	3,173	856	44	26,826
1937	4,593	10,324	4,882	1,841	814	91	22,545	4,542	10,558	4,026	2,106	1,080	35	22,347
1938	5,069	6,991	4,664	2,564	331	85	19,704	6,149	7,323	4,872	3,434	638	42	22,458
1939	4,082	8,832	2,552	2,382	361	43	18,252	3,311	9,759	2,881	3,175	851	36	20,013
1940	4,222	3,795	5,030	2,001	326	75	15,449	4,548	3,822	5,365	2,995	603	45	17,378
1941	5,349	6,154	6,336	2,952	713	68	21,572	5,354	5,932	6,781	3,775	796	41	22,679
1942	7,910	3,913	4,416	3,321	416	58	20,034	8,054	4,766	4,455	2,634	700	44	20,653
1943	2,067	9,474	4,922	2,931	1,076	110	20,580	1,988	8,274	3,157	2,333	546	35	16,333
1944	2,004	6,636	2,289	1,486	276	41	12,732	2,623	6,152	2,110	2,823	689	45	14,442
1945	3,771	14,454	2,965	2,875	502	36	24,603	3,832	12,565	2,995	3,725	804	41	23,962
1946	7,104	3,435	6,826	1,714	780	59	19,918	6,100	2,325	5,173	2,307	957	71	16,933
1947	3,905	12,334	5,749	2,696	874	36	25,594	3,383	9,327	4,772	2,367	726	34	20,609
1948	2,828	7,013	5,138	2,698	514	75	18,266	3,058	5,788	5,063	2,923	861	68	17,761

a Includes Bluebacks (coho < 3 lb)

Table 57. Results from regressions of average fish weights and fish per case of canned salmon on years. N = number of years' data used, a = intercept, b = regression coefficient (lb or fish per year), S_b = standard error of b, r = linear correlation coefficient, P = regression significance, 1915 and 1945 = computed sizes (lb) in the years indicated (fish per case converted to fish weight using 75 lb and 80 lb of GLW per case in 1915 and 1945 respectively), change and percent change = computed changes in size between 1915 and 1945, * = P<0.05, ** = P<0.01.

Species	Years	Area	Dependent Variable	N	a	b	S_b	r	P	Round Weight (lb) 1915	Round Weight (lb) 1945	Change	Percent Change	Source
Sockeye	1911-50	SE Alaska	average round weight	40	5.898	-0.000	0.004	-0.009	0.958	5.898	5.898	0.000	0.0%	Marshall & Quinn
Sockeye	1911-41	Nass River	fish per case	31	88.401	-0.040	0.015	-0.436*	0.014	6.788	7.153	0.365	5.4%	Welch pers comm.
Sockeye	1906-40	Skeena River	fish per case	35	-7.150	0.011	0.012	0.152	0.385	6.483	6.027	-0.455	-7.0%	Welch pers comm.
Sockeye	1915-40	Rivers Inlet	fish per case	26	-44.167	0.030	0.023	0.258	0.204	6.610	5.883	-0.727	-11.0%	Welch pers comm.
Sockeye	1915-50	Fraser River	average round weight	36	-2.478	0.004	0.007	0.113	0.512	5.948	6.080	0.132	2.2%	Killick & Clemens
Sockeye	1909-44	Fraser River	average round weight	53	-4.395	0.006	0.004	0.174	0.213	6.138	6.303	0.165	2.7%	Gilhousen
									averages	6.311	6.224	-0.087	-1.3%	
Pink odd	1915-49	SE Alaska	average round weight	18	46.849	-0.022	0.013	0.380	0.120	4.719	3.377	3.048	64.6%	Marshall & Quinn
Pink odd	1911-41	Nass River	fish per case	16	543.499	-0.273	0.071	0.718**	0.002	4.057	6.393	2.336	57.6%	Welch pers comm.
Pink odd	1907-43	Skeena River	fish per case	19	148.111	-0.068	0.046	0.338	0.157	4.695	5.047	0.352	7.5%	Welch pers comm.
Pink odd	1915-39	Rivers Inlet	fish per case	13	-109.587	0.066	0.050	0.365	0.221	4.999	4.259	-0.740	-14.8%	Welch pers comm.
Pink odd	1927-43	Prince Rupert	fish per case	9	157.988	-0.073	0.101	0.261	0.497	4.617	4.999	0.382	8.3%	Hoar
Pink odd	1927-43	Rivers & Smith	fish per case	9	-259.482	0.143	0.070	0.611	0.080	5.848	4.289	-1.560	-26.7%	Hoar
Pink odd	1927-43	Vancouver	fish per case	9	-201.860	0.112	0.104	0.375	0.320	6.656	5.006	-1.650	-24.8%	Hoar
									averages	5.085	4.767	0.310	10.2%	
Pink even	1916-50	SE Alaska	average round weight	18	36.161	-0.017	0.010	0.375	0.126	3.606	3.096	-0.510	-14.1%	Marshall & Quinn
Pink even	1912-42	Nass River	fish per case	16	-37.270	0.029	0.060	0.130	0.632	4.599	4.181	-0.418	-9.1%	Welch pers comm.
Pink even	1906-44	Skeena River	fish per case	20	-104.675	0.064	0.027	0.491*	0.028	4.697	4.039	-0.657	-14.0%	Welch pers comm.
Pink even	1916-40	Rivers Inlet	fish per case	13	-30.046	0.025	0.049	0.150	0.626	4.711	4.306	-0.405	-8.6%	Welch pers comm.
Pink even	1928-42	Prince Rupert	fish per case	8	72.307	-0.027	0.123	0.091	0.831	4.077	4.042	-0.035	-0.9%	Hoar
Pink even	1928-42	Rivers & Smith	fish per case	8	385.640	-0.189	0.083	0.680	0.063	3.544	4.436	0.892	25.2%	Hoar
Pink even	1928-42	Vancouver	fish per case	8	334.793	-0.162	0.282	0.228	0.586	3.420	4.060	0.641	18.7%	Hoar
									averages	4.093	4.023	-0.070	-0.4%	
Chum	1912-50	SE Alaska	average round weight	39	60.732	-0.027	0.012	-0.339*	0.035	8.836	8.023	-0.813	-9.2%	Marshall & Quinn
Chum	1911-42	Nass River	fish per case	32	-36.416	0.023	0.020	0.207	0.255	12.239	10.608	-1.631	-13.3%	Welch pers comm.
Chum	1914-44	Skeena River	fish per case	31	-67.056	0.038	0.028	0.243	0.187	14.702	11.673	-3.029	-20.6%	Welch pers comm.
Chum	1915-40	Rivers Inlet	fish per case	26	48.731	-0.022	0.034	-0.130	0.527	11.402	11.906	0.504	4.4%	Welch pers comm.
Chum	1933-43	Prince Rupert	fish per case	11	144.495	-0.071	0.122	0.190	0.576	9.848	12.500	2.652	26.9%	Hoar
Chum	1927-43	central coast	fish per case	17	-5.174	0.007	0.072	0.025	0.925	10.205	9.478	-0.728	-7.1%	Hoar
Chum	1927-43	WCVI	fish per case	17	37.571	-0.015	0.048	0.080	0.759	9.496	9.528	0.033	0.3%	Hoar
Chum	1927-43	Vancouver	fish per case	17	-2.693	0.006	0.042	0.034	0.897	9.549	8.912	-0.637	-6.7%	Hoar
									averages	10.784	10.328	-0.456	-3.2%	
Chinook	1911-41	Nass River	fish per case	31	-30.057	0.018	0.024	0.142	0.446	16.840	14.448	-2.392	-14.2%	Welch pers comm.
Chinook	1908-40	Skeena River	fish per case	33	-9.388	0.007	0.017	0.079	0.663	19.089	17.329	-1.760	-9.2%	Welch pers comm.
									averages	17.965	15.889	-2.076	-11.6%	
Coho	1918-50	SE Alaska	average round weight	33	-40.483	0.025	0.017	0.267	0.134	8.158	8.920	0.762	9.3%	Marshall & Quinn
Coho	1911-41	Nass River	fish per case	31	-91.307	0.053	0.027	0.342	0.060	8.738	7.146	-1.591	-18.2%	Welch pers comm.
Coho	1916-40	Rivers Inlet	fish per case	25	-261.575	0.141	0.054	0.482*	0.015	9.521	6.126	-3.395	-35.7%	Welch pers comm.
Coho	1906-40	Skeena River	fish per case	35	0.255	0.005	0.018	0.049	0.782	8.382	7.863	-0.519	-6.2%	Welch pers comm.
									averages	8.700	7.514	-1.186	-13.6%	

Table 58. Results from regressions of average fish weights and fish per case of canned salmon on years that bridge 1950. N = number of years' data used, a = intercept, b = regression coeficient (lb or fish per year), S_b = standard error of b, r = linear correlation coefficient, P = regression significance, 1915 and 1945 = computed sizes (lb) in the years indicated (fish per case converted to fish weight using 7: lb of GLW per case), change and percent change = computed changes in size between 1915 and 1945, * = P<0.05, ** = P<0.01.

Species	Years	Area	Dependent Variable	N	a	b	S_b	r	P	Round Weight (lb)		Change	Percent Change	Source
										1915	1945			
Sockeye	1911-54	SE Alaska	average round weight	44	-4.967	0.005	0.004	0.213	0.165	5.374	5.536	0.162	3.0%	Marshall & Quinn
Sockeye	1911-50	SE Alaska	average round weight	40	5.898	-0.000	0.004	-0.009	0.958	5.898	5.898	0.000	0.0%	Marshall & Quinn
Sockeye	1915-54	Fraser River	average round weight	40	-18.850	0.013	0.006	0.324*	0.042	5.854	6.241	0.387	6.6%	Killick & Clemens
Sockeye	1915-50	Fraser River	average round weight	36	-2.478	0.004	0.007	0.113	0.512	5.948	6.080	0.132	2.2%	Killick & Clemens
Pink	1915-54	SE Alaska	average round weight	40	26.209	-0.011	0.008	-0.233	0.149	4.570	4.231	-0.339	-7.4%	Marshall & Quinn
Pink	1915-50	SE Alaska	average round weight	36	43.220	-0.020	0.009	-0.367*	0.028	4.728	4.125	-0.603	-12.8%	Marshall & Quinn
Chum	1912-54	SE Alaska	average round weight	43	8.596	0.000	0.013	0.001	1.000	8.615	8.615	0.000	0.0%	Marshall & Quinn
Chum	1912-50	SE Alaska	average round weight	39	60.732	-0.027	0.012	-0.339*	0.035	8.836	8.023	-0.813	-9.2%	Marshall & Quinn
Coho	1918-54	SE Alaska	average round weight	37	-26.643	0.018	0.014	0.209	0.214	8.210	8.756	0.546	6.7%	Marshall & Quinn
Coho	1918-50	SE Alaska	average round weight	33	-40.483	0.025	0.017	0.267	0.134	8.158	8.920	0.762	9.3%	Marshall & Quinn

Table 59. Results from regressions of catch-in-numbers for coho and chinook from DMF Annual Reports on coho and chinook catches calculated from data in this report for 1920 to 1933. N = number of years' data used, a = intercept, b = regression coefficient, S_b = standard error of b, R^2 = coefficient of determination (goodness of fit), p = regression significance.

Number	Species	Dependent Variable	a	b	S_b	R^2	p	N
1.	Coho	Total Catch This Report -	969177	0.8686	0.2616	0.4788	<0.01	14
2.	Coho	Total Catch This Report - Schedule II Fresh/Frozen	701175	0.7978	0.2246	0.5126	<0.01	14
3.	Coho	Total Catch This Report - Total Fresh/Frozen	84253	0.9359	0.1915	0.6657	<0.01	14
4.	Coho	Total Catch This Report - Total Products	58889	0.9357	0.1866	0.6770	<0.01	14
5.	Chinook	Total Catch This Report -	688515	0.9738	0.3650	0.3724	<0.05	14
6.	Chinook	Total Catch This Report - Schedule II Fresh/Frozen	317902	0.8999	0.2154	0.5925	<0.01	14
7.	Chinook	Total Catch This Report - Total Fresh/Frozen	-92949	1.1003	0.1791	0.7587	<0.01	14
8.	Chinook	Total Catch This Report - Fresh/Frozen - Mild Cure	-240002	1.0847	0.2294	0.6507	<0.01	14
9.	Chinook	Total Catch This Report - Total Products	-197526	0.9432	0.2145	0.6171	<0.01	14

Table 60. Troll catch-in-numbers of chinook and coho and numbers of licensed trollers reported by DMF for all of British Columbia, 1920-1948.[a]

Year	Chinook	Coho			Number of Licensed Trollers
		Coho	Blueback	Total	
1920	199,492	312,943	72,933	385,876	1,855
1921	104,743	248,290	81,962	330,252	1,452
1922	99,621	235,499	103,883	339,382	1,513
1923	42,037	188,341	115,850	304,191	1,446
1924	59,265	151,376	73,086	224,462	1,553
1925	132,136	318,852	179,160	498,012	1,821
1926	135,246	397,064	328,076	725,140	2,416
1927	294,325	430,601	341,999	772,600	3,005
1928	175,411	467,113	90,568	557,681	2,943
1929	148,469	352,593	372,200	724,793	2,592
1930	158,815	556,082	723,230	1,279,312	3,078
1931	291,800	312,598	384,717	697,315	3,048
1932	175,683	724,220	569,915	1,294,135	2,990
1933	135,786	475,852	371,448	847,300	2,815
1934	1,350,636	2,542,724	515,766	3,058,490	3,045
1935	1,048,667	1,627,741	169,447	1,797,188	2,933
1936	741,162	2,076,633	444,560	2,521,193	3,038
1937	483,871	759,112	325,821	1,084,933	3,136
1938	144,978	950,813	412,663	1,363,476	3,385
1939	117,450	589,054	695,025	1,284,079	3,869
1940	118,771	844,948	408,878	1,253,826	3,188
1941	311,572	1,200,176	458,272	1,658,448	3,048
1942	216,073	1,430,794	274,286	1,705,080	3,843
1943	459,094	1,406,157	716,771	2,122,928	4,320
1944	146,169	499,369	148,371	647,740	4,420
1945	199,727	1,214,328	391,000	1,605,328	4,712
1946	439,375	811,936	161,664	973,600	5,621
1947	611,858	1,596,416	155,751	1,752,167	4,940
1948	330,696	NA	NA	1,353,483	4,821
			Averages		
1920-33	153,774	369,387	272,073	641,461	2,323
1934-48	448,007	1,253,586	377,020	1,612,131	3,888
Ratio	2.9134	3.3937	1.3857	2.5132	1.6734

a. Source: DMF annual reports.

NA not available.

Table 61. Average salmon landings (numbers of fish) before and after the sales slip statistical system was introduc

Area	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
NORTH FIVE YEAR AVERAGES						
Queen Charlotte Islands						
46-50avg	337	543,726	585,969	186,202	36,247	200
51-55avg	3,726	875,430	298,457	327,197	44,075	53
Nass River						
46-50avg	161,523	264,705	71,109	113,976	35,115	2,440
51-55avg	197,639	553,169	100,610	109,586	21,895	2,527
Skeena River						
46-50avg	694,794	449,228	66,997	238,472	72,876	25,508
51-55avg	674,923	879,491	106,674	154,599	47,484	19,460
North Coast						
46-50avg	249,209	2,372,102	1,343,696	391,846	49,862	6,422
51-55avg	301,141	2,633,649	847,295	433,535	61,420	7,650
Rivers and Smith Inlets						
46-50avg	1,267,779	175,817	175,483	69,412	8,486	2,640
51-55avg	1,260,412	147,647	114,061	48,974	8,282	2,934
SOUTH FIVE YEAR AVERAGES						
Johnstone Strait						
46-50avg	328,137	1,984,405	1,594,982	506,826	81,512	1,678
51-55avg	326,152	2,619,073	977,301	549,555	63,942	1,920
Strait of Georgia						
46-50avg	20,595	164,690	356,802	244,394	50,560	250
51-55avg	173,638	115,499	690,029	333,289	63,930	228
Juan de Fuca Strait						
46-50avg	221,405	373,892	31,795	89,221	33,807	1,285
51-55avg	636,073	1,564,077	14,565	194,477	28,120	354
West Coast Vancouver Is						
46-50avg	60,817	153,559	500,124	480,764	304,454	850
51-55avg	163,510	214,934	462,546	750,665	396,042	1,859
Fraser River						
46-50avg	1,009,316	508,054	395,658	186,853	199,188	8,211
51-55avg	1,203,665	543,892	462,144	104,309	159,812	4,858

Table 61. Continued

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
NORTH TEN YEAR AVERAGES						
Queen Charlotte Islands						
41-50avg	667	518,610	516,593	236,066	38,884	175
51-60avg	4,984	659,139	177,697	309,664	40,869	82
Nass River						
41-50avg	185,933	406,620	62,236	153,272	32,709	2,885
51-60avg	214,499	545,060	121,657	105,266	27,180	2,384
Skeena River						
41-50avg	719,595	665,248	60,437	296,471	62,257	23,512
51-60avg	478,993	880,428	112,643	122,599	41,409	12,855
North Coast						
41-50avg	276,226	2,737,293	987,855	380,552	32,425	5,234
51-60avg	271,168	2,491,955	720,741	430,929	58,817	6,142
Rivers and Smith Inlets						
41-50avg	1,150,566	152,866	136,802	103,595	7,997	1,881
51-60avg	1,078,449	131,267	100,619	47,461	8,850	2,521
SOUTH TEN YEAR AVERAGES						
Johnstone Strait						
41-50avg	326,177	1,842,514	1,334,069	545,617	66,547	1,535
51-60avg	745,369	2,238,306	705,028	515,763	73,642	1,609
Strait of Georgia						
41-50avg	27,057	98,286	382,989	315,004	49,406	402
51-60avg	120,179	86,316	507,265	316,089	82,949	185
Juan de Fuca Strait						
41-50avg	132,681	225,708	18,979	81,755	36,297	1,412
51-60avg	815,379	1,104,449	19,338	233,998	24,586	457
est Coast Vancouver Is						
41-50avg	46,094	83,875	627,113	479,849	240,880	583
51-60avg	118,121	168,548	450,737	742,376	402,584	1,199
Fraser River						
41-50avg	1,327,143	533,017	384,113	190,899	222,112	7,682
51-60avg	1,068,885	412,369	312,541	89,228	154,750	4,066

Table 62. Percentage of total landings contributed by products other than canned salmon, 1876-1950[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1876	6.1	-	-	100.0	100.0	-	13.9
1877	7.1	-	-	94.4	88.8	-	16.0
1878	6.8	-	-	49.3	79.4	-	15.0
1879	5.1	-	-	56.5	67.0	100.0	12.3
1880	8.2	-	-	11.1	59.3	100.0	16.7
1881	4.1	-	-	63.6	79.9	100.0	16.9
1882	3.2	100.0	100.0	13.7	47.0	100.0	7.2
1883	3.8	100.0	100.0	30.5	69.0	100.0	16.2
1884	7.0	100.0	100.0	34.3	66.2	100.0	25.4
1885	4.7	100.0	100.0	81.7	88.7	100.0	29.0
1886	4.8	100.0	100.0	7.4	47.3	100.0	11.3
1887	3.5	100.0	100.0	47.7	68.5	100.0	17.2
1888	4.5	-	-	24.4	59.4	100.0	19.6
1889	1.4	-	-	49.4	64.9	100.0	8.7
1890	1.2	-	-	19.1	47.2	100.0	7.3
1891	0.8	-	-	10.0	56.1	100.0	9.3
1892	1.9	-	-	22.0	55.3	100.0	15.6
1893	1.5	-	-	34.9	73.0	100.0	9.8
1894	1.4	-	-	51.1	61.6	100.0	7.8
1895	0.9	-	-	6.6	52.5	100.0	5.3
1896	0.6	-	-	8.7	37.2	100.0	3.8
1897	0.7	-	100.0	16.9	59.7	100.0	4.7
1898	0.9	-	100.0	9.4	39.0	100.0	14.5
1899	0.7	<0.1	91.9	14.9	49.5	100.0	9.9
1900	1.7	<0.1	41.4	16.5	45.9	100.0	17.6
1901	0.3	38.9	95.8	33.0	58.8	100.0	11.1
1902	0.4	6.3	99.6	23.1	65.5	100.0	25.4
1903	0.7	37.5	100.0	21.2	64.5	100.0	25.2
1904	0.7	4.8	100.0	16.2	53.2	100.0	38.1
1905	0.2	69.9	100.0	30.7	77.4	100.0	22.8
1906	0.2	3.2	100.0	20.4	65.8	100.0	31.7
1907	0.2	16.2	100.0	14.4	72.6	72.2	33.3
1908	0.1	2.7	100.0	12.7	62.8	51.5	25.2
1909	0.1	23.4	100.0	14.0	75.5	100.0	19.2
1910	<0.1	2.3	74.5	15.8	78.8	100.0	27.7
1911	0.1	6.5	59.7	12.8	67.2	100.0	22.4
1912	<0.1	1.2	72.7	16.9	69.8	87.4	27.6
1913	0.0	12.3	63.1	33.8	79.4	100.0	22.2
1914	0.0	1.1	47.7	35.9	83.5	100.0	30.4
1915	0.3	2.5	50.2	47.7	81.8	54.6	30.3
1916	0.1	0.9	19.0	34.5	80.2	34.2	30.1
1917	0.2	1.1	9.6	32.3	73.8	46.9	18.3
1918	0.0	0.5	6.3	30.8	65.3	32.9	16.7
1919	0.3	2.1	14.1	42.2	75.5	44.0	28.8
1920	0.0	0.5	46.2	40.0	55.1	60.7	20.6
1921	0.5	7.4	61.4	38.2	79.1	79.3	39.9
1922	0.1	0.6	37.9	46.4	86.1	76.4	28.0
1923	0.0	5.9	29.0	40.0	86.2	55.0	25.5
1924	0.0	1.1	36.3	40.9	86.5	80.2	25.4
1925	0.1	1.5	25.6	23.1	75.8	26.5	22.6
1926	0.0	0.2	24.8	25.1	70.7	70.3	18.3

Table 62. Continued

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Total
1927	<0.1	0.5	20.6	26.7	77.4	83.7	23.2
1928	0.0	0.2	27.5	39.9	89.6	89.8	23.1
1929	0.6	2.9	25.0	31.3	89.4	87.2	22.3
1930	2.7	1.1	33.6	35.3	82.2	71.9	18.9
1931	2.1	39.3	89.8	41.8	85.9	83.7	56.2
1932	8.5	0.6	39.7	26.8	64.8	88.3	29.3
1933	5.2	<0.1	31.8	28.9	87.3	76.8	18.5
1934	<0.1	2.6	24.4	20.0	83.1	81.3	19.6
1935	1.4	3.2	40.4	32.7	89.1	85.3	28.0
1936	1.9	0.6	31.9	22.7	80.0	79.0	20.6
1937	1.3	12.0	26.5	37.0	91.1	78.4	24.6
1938	<0.1	1.1	23.7	14.9	88.2	82.6	16.5
1939	<0.1	3.1	10.8	25.5	90.3	82.6	16.1
1940	0.8	4.6	16.7	30.6	81.3	76.5	18.0
1941	0.3	<0.1	6.4	0.9	60.4	27.1	5.5
1942	<0.1	3.4	3.6	26.4	81.6	15.3	10.7
1943	<0.1	0.4	23.3	25.5	89.0	24.0	17.1
1944	<0.1	<0.1	16.5	39.5	81.3	25.4	16.3
1945	0.4	5.5	27.8	47.1	92.5	48.3	23.7
1946	<0.1	18.3	30.8	62.3	96.0	57.5	32.4
1947	0.6	11.2	40.8	46.3	93.5	31.1	30.7
1948	0.9	9.7	38.2	36.0	90.9	39.7	32.4
1949	<0.1	<0.1	56.1	25.2	89.1	46.0	26.8
1950	<0.1	5.5	56.2	53.7	95.0	42.6	39.5

a. Source: Product contributions were calculated by subtracting canned pack landed weights by species (Tables 7 to 16 through 1929 and Anon 1958 for 1930 to 1950) from total landed weights by species (Table 54).

Table 63. British Columbia commercial salmon and steelhead landings, 1951-2001, from the DFO salmon catch statistics database (Wong 1983) at the Pacific Biological Station. Harvest based on sales slip data.

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1951	13,529	27,296	28,810	15,935	5,892	184	91,646	4,413	11,781	5,807	3,957	822	42	26,822
1952	13,966	23,217	14,453	10,086	6,543	231	68,496	4,838	11,217	2,479	2,752	906	55	22,247
1953	16,031	28,007	24,688	10,521	7,119	211	86,577	5,914	11,110	4,672	2,893	1,021	45	25,655
1954	21,331	11,683	33,749	9,398	6,127	256	82,544	6,702	5,439	5,838	2,445	880	53	21,357
1955	7,552	28,717	8,247	10,703	5,692	110	61,021	2,835	11,240	1,569	2,976	876	23	19,519
1956	9,752	13,142	12,443	11,426	6,226	104	53,093	3,257	7,352	2,458	3,050	983	23	17,123
1957	7,136	25,986	12,358	10,352	5,751	75	61,658	3,036	11,310	2,412	3,137	948	17	20,860
1958	33,619	15,384	17,286	11,227	6,458	115	84,089	12,045	6,908	3,192	2,989	1,074	27	26,235
1959	8,192	15,901	10,483	8,896	6,140	57	49,669	3,260	6,776	2,015	2,897	956	14	15,918
1960	7,022	7,709	9,215	6,470	4,692	112	35,220	2,858	4,098	1,837	2,030	753	26	11,602
1961	12,076	22,712	6,627	11,238	4,132	93	56,878	4,564	8,305	1,218	3,300	701	21	18,109
1962	9,120	42,457	8,190	12,093	4,119	109	76,088	3,499	23,429	1,496	3,626	722	24	32,796
1963	5,386	27,486	6,998	11,580	4,642	67	56,159	2,086	12,201	1,463	3,421	806	15	19,992
1964	10,411	16,680	10,856	14,387	6,114	108	58,556	3,619	9,628	2,253	4,148	970	25	20,643
1965	7,358	10,420	3,020	16,670	5,799	62	43,329	3,020	5,109	633	4,443	986	14	14,205
1966	11,661	33,331	6,968	17,579	6,993	140	76,672	4,020	17,261	1,311	5,412	1,168	31	29,203
1967	16,853	23,582	5,517	10,277	6,987	117	63,333	6,750	9,846	1,130	3,318	1,131	25	22,200
1968	19,006	25,954	16,652	15,415	6,963	101	84,091	6,346	20,249	3,095	5,262	1,083	22	36,057
1969	10,952	6,275	6,077	7,995	6,514	65	37,878	4,268	2,571	1,310	2,407	1,100	15	11,671
1970	11,423	24,088	16,772	13,690	6,610	57	72,640	4,078	13,601	3,680	3,945	1,213	13	26,530
1971	17,335	17,639	5,419	14,125	8,725	81	63,324	6,306	8,456	1,263	4,789	1,593	18	22,425
1972	9,485	17,866	29,933	10,532	8,363	96	76,275	3,563	13,996	6,031	3,356	1,549	21	28,516
1973	21,485	13,341	32,663	11,274	7,575	57	86,395	7,586	6,521	6,225	3,530	1,424	12	25,298
1974	21,704	11,210	12,477	10,348	7,658	49	63,446	7,225	7,374	2,202	3,694	1,467	11	21,973
1975	5,683	10,247	5,391	7,752	7,309	49	36,431	2,271	4,634	1,147	2,332	1,412	11	11,807
1976	12,342	17,068	10,926	9,346	7,797	47	57,526	4,814	10,349	1,901	3,698	1,543	11	22,316
1977	17,384	24,743	6,029	9,795	7,528	59	65,538	6,346	10,356	1,088	3,317	1,493	13	22,613
1978	22,331	15,326	15,850	9,173	7,905	56	70,641	7,222	10,748	2,979	3,350	1,368	12	25,679
1979	14,532	24,718	4,750	10,366	6,853	47	61,266	5,691	11,823	866	3,647	1,329	11	23,367
1980	8,075	14,141	17,404	9,308	6,719	57	55,704	3,260	8,419	3,453	3,836	1,272	14	20,254
1981	21,001	38,284	6,157	7,533	5,932	81	78,988	8,443	18,086	1,123	3,139	1,134	18	31,943
1982	30,156	3,979	15,092	9,320	7,114	105	65,766	10,076	2,680	2,967	3,599	1,236	22	20,580
1983	14,328	39,555	4,900	10,489	5,392	58	74,722	5,524	24,001	1,001	4,536	951	13	36,026
1984	12,879	12,066	9,004	10,115	6,270	150	50,484	5,083	7,501	1,843	4,048	1,010	34	19,519
1985	31,578	37,723	23,651	8,997	5,482	203	107,634	12,251	20,319	5,471	3,681	870	47	42,639
1986	30,854	29,510	25,202	13,269	5,019	159	104,013	10,558	17,981	5,581	5,479	813	35	40,447
1987	15,041	26,942	11,001	8,436	5,263	75	66,758	5,425	13,447	2,274	4,028	768	17	25,959
1988	11,943	32,217	30,296	7,077	5,922	93	87,548	4,491	23,132	6,174	3,835	725	20	38,377

Table 63. Continued.

Year	Landed Weight (tonnes)							Numbers (thousands)						
	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
1989	34,383	31,004	9,322	8,752	5,234	32	88,727	13,797	17,175	1,818	3,977	650	8	37,425
1990	37,133	26,240	17,180	10,569	5,228	45	96,395	14,233	17,235	3,179	4,523	668	10	39,848
1991	25,211	35,096	10,236	10,053	5,058	26	85,680	10,469	24,275	2,355	3,742	640	7	41,488
1992	20,938	14,913	17,964	7,328	5,336	18	66,497	8,340	10,322	4,013	3,644	682	5	27,006
1993	42,529	16,046	17,274	4,316	4,817	8	84,990	18,264	10,301	4,223	2,748	622	2	36,160
1994	30,828	3,383	20,323	7,713	3,574	5	65,826	11,616	2,226	4,327	2,877	431	2	21,479
1995	10,533	19,767	12,115	4,866	1,510	4	48,795	4,500	11,913	2,479	2,016	197	1	21,106
1996	16,427	8,597	6,540	3,867	512	3	35,946	6,270	5,890	1,372	1,411	69	1	15,013
1997	26,551	12,241	8,761	749	1,744	1	50,047	11,214	6,494	1,907	229	223	0	20,067
1998	5,179	3,921	19,906	21	1,439	4	30,470	1,818	2,409	4,473	5	156	1	8,862
1999	1,771	9,529	4,999	30	769	1	17,099	691	6,074	944	9	107	0	7,825
2000	8,665	7,158	2,783	32	507	0	19,145	3,408	4,337	551	8	71	0	8,375
2001	6,230	10,574	5,550	47	636	0	23,037	2,234	5,931	1,102	14	95	0	9,376

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APPENDIX A

PRE-1951 FILES THAT WERE SEARCHED FOR INFORMATION ON HISTORICAL SALMON PRODUCT/HARVEST STATISTICS

TABLE OF CONTENTS FOR APPENDIX A

Page

1. INTRODUCTION 213
2. GENERAL PROCEDURES 213
  2.1 Federal Records Centre in Burnaby 213
  2.2 Other Locations 213
3. FILES GIVEN A DETAILED EXAMINATION 214

LIST OF APPENDIX A TABLES

Table **Page**

A1. Accessions searched at the Federal Record Centre in Burnaby 215

PRE-1951 FILES THAT WERE SEARCHED FOR INFORMATION ON HISTORICAL SALMON PRODUCT/HARVEST STATISTICS

1. INTRODUCTION

We carried out the bulk of the analyses of archival material for the present report between 1984 and 1987. We searched Department of Fisheries and Oceans (DFO) historical records for the Pacific Region located at Federal Records Centres (FRC) of Archives Canada in Burnaby, British Columbia and in Ottawa, Ontario. In addition, we reviewed some pre-1951 files at DFO headquarters in Vancouver and at regional offices throughout B.C. The purpose of this Appendix is to describe the procedures that were followed to retrieve material on the pre-1951 commercial fishery from these locations, and to list the files that we examined for historical information on the commercial fishery.

2. GENERAL PROCEDURES

We examined files of pre-1951 material at FRC-Burnaby and FRC-Ottawa and a research assistant examined a microfilmed copy of pre-1920 DFO material from FRC-Ottawa that was available at the University of British Columbia. In addition, the authors and a research assistant examined material from DFO offices in Vancouver, New Westminster, Prince Rupert, Nanaimo and Port Alberni.

Our search concentrated on the files that contained statistical forms and correspondence on statistics. In particular, we were looking for information on species composition of products and the canned pack, conversion factors, transfers, and on estimates of salmon and steelhead catch-in-numbers. Notes were taken on each file that was examined in detail; relevant material was photocopied for later analysis.

2.1 Federal Records Centre in Burnaby

By far the greatest volume of material was found at FRC-Burnaby. Here, each series of files that DFO submits is given an Accession Number by FRC and the files are stored in numbered boxes. FRC had lists of the file numbers for the files in each box and DFO had lists of file titles and dates for most of the files in storage. We used these lists to narrow the search from approximately 4,400 files in 883 boxes, to only those files whose names and dates suggested that information on pre-1951 commercial harvest of salmon might be present. Accessions searched at FRC-Burnaby are shown in Table A1

2.2 Other Locations

FRC-Ottawa material in the box series 40000-40183 was available on 80 rolls of microfilm at the University of British Columbia (UBC); 344 microfilmed files were examined during this study. An additional 173 files at FRC-Ottawa on microfilm reels 2662 to 4067 were examined.

At DFO's Vancouver headquarters, 150 files in 30 boxes were examined for historical statistics. In addition, annual Production Schedules for each area for 1940 through 1950 (see Appendix B for examples) were obtained for analysis from DFO Catch Statistics Division in Vancouver. At other DFO offices[1], approximately 200 files were reviewed.

The "Doyle Diaries" (1900-1920) and some historical files of the International Pacific Salmon Fisheries Commission, both available at Special Collections in the UBC Library, were also examined, as were microfilm copies of Bluebooks for the Colonies of British Columbia and Vancouver Island from 1860 through 1870 at the Archives of British Columbia in Victoria.

3. FILES GIVEN A DETAILED EXAMINATION

From a total of approximately 5,000 files available for examination few were subjected to a detailed, folio-by-folio examination since it usually was obvious from titles, dates, or by rapid scanning of file contents, whether files contained information relevant to this study.

The list of files following Table A1 below describes 510 files that were given a folio-by-folio examination for commercial salmon statistics. The list contains information on the file number, FRC box number, file name, file dates and file contents. At the top of each page are the codes "C=Commercial", "I=Indian", and "F=Fishing Effort" which denote whether the file was examined for commercial salmon landing statistics, for Indian fishery statistics (Argue *et al.* 1990), or for commercial salmon effort statistics (Some files were examined for more than one purpose). The codes "E=Extracted", "R=Reviewed" and "N=No Useful Info." denote, respectively, that some or all folios were copied from the file, that the file contained useful information that should be reviewed again, and that there was no relevant material. The codes at the top right identify the reviewer. The list is sorted by file number (FILE #) and volume (VOL), in ascending numerical order. Headings in the list are described below.

Heading	Description
#	Unique, sequential record number for each file in the database. Files that only contained Indian or effort statistics have been omitted from the list,
FILE #	File number as recorded on the file cover,
VOL	File volume as recorded on the file cover,
BOX #	FRC box number or code for DFO office (PR=Prince Rupert, VA=Vancouver, NW=New Westminster)
BEG	Month:year of the first folio in the file,
END	Month:year of the last folio in the file,
FILENAME	Filename (title) as recorded on the file cover,
C I F	Subject material codes (see above),
C I F	Reviewer's initial,
COMMENTS	Short clarification of file contents, based on the reviewer's notes, followed by the reviewer's initial and the date the file was reviewed.

---

[1] Regional DFO offices where files were reviewed were Prince Rupert (PR), Hazelton (HA), Terrace (TR), Smithers (SM), New Westminster (NW), Tofino (TO) and Port Alberni (PA); bracketed codes are used in the file list under "Box #". The code PSC is Pacific Salmon Commission.

Table A1. Accessions searched at the Federal Record Centre in Burnaby.

Accession No.	**Box Series**	**Number of Boxes**
78 G 13	25246-25294	48
78 J 15	30155-30179	23
78 K 20	29247-29270	24
79-360	4100-4170-D	73
80-321	44448-44547	100
80-380	20075-20172	98
81-143	10235-10342	108
83-6 (FAD)	500469-500540	172
83-261	2324-2330	7
	22062-22067	6
85-19	416101-416150	50
	419698-419730	33
	499334-499419	86
86-185	Bays 2128 and 2129	55
		Total 883

Page No. 1
09/02/89

C=Commercial
I=Indian
F=Fishing Effort

E=Extracted
R=Reviewed
N=No Useful Info.

S=Sandy J=Jane
H=David
M=Mike
D=Diana

#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
1	40:09:11:01	03	50010	Apr:26	Jul:27	Regulations - Gen. Salmon	R	---	---	M	----	----	Very old data on conversion factors M/18/07/85
2	40:01:01:	01	500485	Apr:32	Mar:39	Stats. Gen. Dist. 1	N	N	N	S	S	S	Mainly corr. on personal use permits, records of exports at White Rock - No organized tabulations. Little relevance to salmon statistics study. Trout & other FW species catch. S/18/7/85
3	40:01:02:		500485	Apr:26	Mar:45	Stats. Dist. 1 - Halibut	---	---	---	----	----	----	NOT REVIEWED
4	40:01:09:01	01	500485	Apr:31	Mar:34	Stats. Dist. 1 - Salmon	E	---	E	MD	---	M	Corr., including weekly pack figures: drysalt prodn. by week by plant: conversion rates for drysalt & canned, salmon exports from Dist. 1. FURTHER RESEARCH WARRANTED. M/18/7/86 D/13/02/87
5	40:01:09:01	02	500485	Apr:34	Mar:35	Stats. Dist. 1 - Salmon	E	---	---	MD	----	----	Correspondence: includes case transfer data (incomplete) area catch breakdowns within Fraser M/18/07/86 D/13/02/87.
6	40:01:09:01	03	500485	Apr:34	Mar:37	Stats. Dist. 1 - Salmon	---	---	---	----	----	----	Correspondence: NOT REVIEWED (file missing from box D/13/02/87)
7	40:01:09:01	03	500485	Apr:35	Mar:37	Stats Dist. 1 - Salmon	E--	---	---	D	----	----	Correspondence includes weekly transfer andc export data (incomplete) D/13/02/87
8	40:01:09:01	03C	500485	Apr:37	Mar:39	Stats. Dist. 1 - Salmon	E	---	---	D	----	----	includes transfer and export data (incomplete) D/13/02/87
9	40:01:09:01	04	500486	Apr:39	Mar:45	Stats. Dist. 1 - Salmon	N	---	---	D	----	----	Corresponsdence includes weekly salmon pack & other pack statistics D/13/02/87
10	40:01:15:	01	500486	Apr:48	Mar:50	Stats. Dist. 1 - Weekly prices	N	---	---	S	----	----	Corr. Weekly prices paid. Not directly relevant to historical stat review. S/18/07/85
11	40:01:15:	02	500486	Apr:50	Nov:50	Weekly prices	N	---	---	S	----	----	Corr. See Vol. 1 S/18/07/85
12	40:01:15:	03	500486	:	:	Stats Dist. 1 - Weekly prices	N	---	---	S	----	----	See Vol. 1. S/18/07/85
13	40:01:01:	02	500486	Apr:23	Mar:32	Stats Dist. 1 - General	N	---	---	M	----	----	Corr.:Mainly personal use permits but some pack pack data. Volume # mislabled - probably should be Vol. 1 M/18/07/85
14	40:02:02:	01	500486	Apr:23	Mar:32	Stats. Dist. 1 - Halibut	---	---	---	----	----	----	NOT REVIEWED
15	40:02:02:	02	500486	Apr:32	Mar:45	Stats Dist. 1 - Halibut	---	---	---	----	----	----	NOT REVIEWED
16	40:02:03:		500487	Apr:32	Mar:37	Stats. Dist. 2 - Cannery returns	R	---	---	M	----	----	Corr.:mainly pack records. CONTAINS RECORDS OF FISH/CASE M/18/07/85

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R=Reviewed
N=No Useful Info.

S=Sandy J=Jane
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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
17	40:02:05:		500487	Apr:30	Mar:34	Stats. Dist. 2 - Small dragger rept.	---	---	---	----	----	----	NOT REVIEWED
18	40:02:09:01	01	500487	May:31	Feb:32	Stats. Dist. 2 - General	E	N	E	S	S	S	Corr.: Pack records: Weekly measures of salmon shipped in and out of Dist. and discussion of estimating procedures. IMPORTANT MATERIAL S/18/7/85 S/23/7/85
19	40:02:09:01	02	500487	Apr:32	Mar:34	Stats. Dist. 2 - Salmon	R	N	---	MS	M	----	Corr. Weekly canned pack & info on 1932 transfers. M & S/18/7/85
20	40:02:09:01	03	500487	Apr:34	Mar:35	Stats. Dist. 2 - Salmon	---	---	---	----	----	----	NOT REVIEWED
21	40:02:09:02	03	500487	Apr:37	Mar:38	Stats. Dist.2. - Salmon	---	---	---	----	----	----	NOT REVIEWED
22	40:02:09:02	05	500487	Apr:38	Mar:39	Stats. Dist. 2 - Salmon	---	---	---	----	----	----	NOT REVIEWED
23	40:02:09:02	06	500487	Apr:41	Mar:45	Stats. Dist. 2 - Salmon	---	---	---	----	----	----	NOT REVIEWED
24	40:02:09:01	02	500488	Apr:45	Mar:50	Stats. Dist. 2 - Salmon	E	E	N	S	S	S	Info on transfers and problems with the statistics system S/18/7/85
25	40:02:09:01	08	500488	Apr:35	Mar:37	Stats. Dist. 2 - Salmon	R	N	N	S	S	S	Transfers, canned pack by week and season, corres. Useful if want to sort out 1935 to 1937 stats. S/27/08/85
26	40:02:09:01	09	500488	Apr:39	Mar:41	Stats. Dist. 2 - Salmon	E	N	N	S	S	S	Weekly canned pack, transfers, some corres. S/27/08/85
27	40:02:02:	02	500488	Apr:23	Mar:24	Stats Dist. 2 - General	E	N	E	M	M	M	Corr.:contains instructions for monthly Stats & procedures for recording in green weights. M/18/7/85
28	40:02:09:01	09	500488	Apr:39	Mar:41	Stats. Dist. 2 - Salmon	---	---	---	----	----	----	NOT REVIEWED
29	40:03:01:	01	500488	May:29	Mar:39	Stats. Dist. 3 - General	R	---	---	S	----	----	Mainly correspondence S/18/7/85
30	40:03:01:	02	500488	Apr:23	Mar:29	Stats. Dist. 3 - General	E	N	E	M	M	M	Mainly correspondence: M/18/7/85
31	40:03:09:01	03	500489	Apr:36	Mar:37	Stats. Dist. 3 - Salmon	---	---	---	----	----	----	NOT REVIEWED
32	40:03:09:01	02	500489	Apr:34	Mar:36	Stats. Dist. 3 - Salmon	---	---	---	----	----	----	NOT REVIEWED
33	40:03:09:01	01	500489	Apr:31	Mar:34	Stats. Dist. 3 - Salmon	R	N	N	S	S	S	Weekly canned pack forms and correspondence S/23/7/85
34	40:03:08:01		500489	Dec:39	Mar:40	Stats. Dist. 3 - Herring -Daily stats	---	---	---	----	----	----	NOT REVIEWED
35	40:03:08:01	01	500489	Apr:39	Mar:41	Stats. Dist. 3 - Herring-Daily stats	---	---	---	----	----	----	NOT REVIEWED

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
36	40:03:04:		500489	Apr:34	Mar:36	Stats. Dist. 3 - Monthly	R	___	___	M	___	___	Contains important records of catch by month M/18/7/85
37	40:03:02:		500489	Apr:25	Mar:43	Stats. Dist. 3 - Halibut	___	___	___	___	___	___	NOT REVIEWED
38	40:03:09:01	04	500490	Apr:37	Mar:38	Stats. Dist. 3 - Salmon	___	___	___	___	___	___	NOT REVIEWED
39	40:03:09:01	05	500490	Apr:38	Mar:39	Stats. Dist. 3 - Salmon	R	___	___	S	___	___	weekly pack/catch statistics and summary table of weekly Sooke trap catch of all species including herring, dogfish, etc. S/15/12/86
40	40:03:09:01	06	500490	Apr:39	Mar:41	Stats. Dist. 3 - Salmon	___	___	___	___	___	___	NOT REVIEWED
41	40:03:09:01	07	500490	Apr:41	Mar:45	Stats. Dist. 3 - Salmon	R	___	___	S	___	___	weekly pack/catch statistics including weekly catch reports for the Sooke traps S/15/12/86
42	40:03:09:01	08	500490	Apr:45	Mar:48	Stats. Dist. 3 - Salmon	___	___	___	___	___	___	NOT REVIEWED
43	40:03:09:01	09	500491	Feb:48	Mar:50	Stats. Dist. 3 - Salmon	___	___	___	___	___	___	NOT REVIEWED
44	40:03:12:	01	500491	Apr:31	Mar:37	Stats. Dist. 3 - Pilchards	___	___	___	___	___	___	NOT REVIEWED
45	40:03:12:	02	500491	:39	:44	Stats. Dist. 3 - Pilchards	___	___	___	___	___	___	NOT REVIEWED
46	40:03:12:	03	500491	:44	:45	Stats. Dist. 3 - Pilchards	___	___	___	___	___	___	NOT REVIEWED
47	40:05:01:	01	500491	Apr:23	Mar:24	Stats. General	E	N	N	S	S	S	Corres re stats - mostly canned pack one letter implies royalty extracted. S/22/08/85
48	40:05:01:	02	500492	Apr:24	Mar:25	Stats. General	___	___	___	___	___	___	NOT REVIEWED
49	40:05:01:	03	500492	Apr:25	Mar:26	Stats. General	___	___	___	___	___	___	NOT REVIEWED
50	40:05:01:	04	500492	Apr:26	Mar:27	Stats. General	___	___	___	___	___	___	NOT REVIEWED
51	40:05:01:	05	500492	Apr:27	Mar:28	Stats. General	R	___	___	S	___	___	Contains monthly catches for all BC in cwt. S/23/07/85
52	40:05:01:	06	500492	Apr:28	Mar:29	Stats. General	___	___	___	___	___	___	NOT REVIEWED
53	40:05:01:	07	500493	Apr:29	Mar:32	Stats. General	___	___	___	___	___	___	NOT REVIEWED
54	40:05:01:	08	500493	Apr:32	Mar:34	Stats. General	R	E	___	S	D	___	Correspondence re statistics S/23/07/86 D13/02/87
55	40:05:01:	09	500493	Apr:34	Mar:36	Stats. General	R	___	___	D	___	___	D/13/02/87
56	40:05:01:	10	500493	Apr:36	Mar:37	Stats. General	R	___	___	D	___	___	D/13/02/87

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
57	40:05:01:	11	500493	Apr:37	Mar:39	Stats. General	E	___	___	D	____	____	Memo on stat system & problems with monthly reports. Tables of green salmon (spp) per case by district. D/13/02/87
58	40:05:01:	12	500493	Apr:39	Mar:42	Stats. General	___	___	___	____	____	____	Purse seine licenses and some market data D/13/02/87
59	40:05:01:	13	500494	Apr:42	Mar:43	Stats. General	R	___	___	MD	____	____	Correspondence, mostly fishing vessel info M/17/07/86 D/13/02/87
60	40:05:01:	14	500494	Apr:43	Mar:45	Stats. General	E	___	___	D	____	____	Licenses and vessel infor. Table of product:GLW conversion factors D/13/02/87
61	40:05:01:	15	500494	Apr:45	Mar:49	Stats. General	R	___	___	S	____	____	Correspondence, Burton Rep. S/23/07/85
62	40:05:01:	16	500494	Apr:49	Mar:50	Stats. General	___	___	___	____	____	____	NOT REVIEWED
63	40:05:02:	03	500494	Apr:32	Mar:39	Stats. General - Halibut	___	___	___	____	____	____	NOT REVIEWED
64	40:05:05:	03	500495	:25	:	Stats. Annual	E	E	___	S	D	____	Basic statistical forms. D/23/08/85 S/15/12/86
65	40:05:05:	02	500495	:24	:	Stats. Annual	RE	N	___	MS	D	____	D/22/08/86 S/15/12/86
66	40:05:05:	01	500495	:23	:	Stats. Annual	E	E	E	DS	D	D	S/15/12/86 D/22/08/86
67	40:05:04:	02	500495	Apr:43	Mar:48	Stats. General - Monthly Returns	___	___	___	SM	____	____	Not a complete compilation, mainly corr. M/17/07/85
68	40:05:04:	01	500495	Apr:30	Mar:43	Stats. General - Monthly Returns	R	___	___	M	____	____	Not complete compilations, mainly corr. M/17/07/85
69	40:05:02:	03	500495	Apr:39	Mar:45	Stats. General - Halibut	___	___	___	____	____	____	NOT REVIEWED
70	40:05:05:	08	500496	Apr:27	Mar:29	Stats. General & Supp. Schedules	E	E	E	M	M	M	Schedules for '26 incomp M/17/7/85
71	40:05:05:	07	500496	Apr:26	Mar:27	Stats. Annual	E	E	E	M	M	M	Schedules for '26 (incomp) M/17/7/85
72	40:05:05:	06	500496	:26	:	Stats. Annual	E	N	___	S	D	____	Schedules for '26 (incomplete) D/23/08/85 S/15/12/86
73	40:05:05:	05	500496	:26	:	Stats. Annual	E	E	___	S	D	____	Schedules for '26 (incomplete) D/23/08/85 S/15/12/86
74	40:05:05:	04	500496	:25	:27	Stats. Annual	E	E	___	S	D	____	Schedules for Dist 3 '25/'27 & Dist 2 '27 (incom) 17JY D/23/08/85 S/15/12/86
75	40:05:05:	09	500497	:28	:	Stats. General	___	N	___	____	D	____	Labelled "Stats. General & Supp. Schedules" District 3 only. D/22/08/85

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
76	40:05:05:	10	500497	Apr:29	Mar:30	Stats. General	R	N	___	M	D	___	D/22/08/86 M/17/07/86
77	40:05:05:	11	500497	:29	:	Stats. General	___	E	___	___	D	___	D/22/08/86
78	40:05:05:	12	500497	:30	:	Stats. General	___	N	___	___	D	___	Corr.: warrants further research. D/22/08/85
79	40:05:05:	13	500498	:30	:	Stats. Annual	E	N	___	S	D	___	Labelled "Schedules 1A, 2, 1C, Appendices, Supp. Schedules. D/23/08/85 S/15/12/86
80	40:05:05:	14	500498	Apr:31	Mar:32	Stats. Annual	E	E	E	M	M	M	M/08/07/85
81	40:05:05:	14	500498	:31	:	Stats. Annual	E	E	E	M	M	M	M/8/7/85 S/15/12/86
82	40:05:05:	16	500498	:32	:	Stats. Annual	E	E	___	S	D	___	D/23/08/85 S/15/12/86
83	40:05:05:	17	500499	Apr:32	Mar:34	Stats. Annual	E	E	E	M	M	M	M/8/7/85 S/15/12/86
84	40:05:05:	18	500499	:33	:	Stats. Annual	E	E	E	S	S	S	Stats. for 1933 S/15/7/85 S/15/12/86
85	40:05:05:	19	500499	:34	:	Stats. Annual	E	E	___	S	D	___	Stats. for 1934. D/22/08/85 S/15/12/86
86	40:05:05:	20	500500	Apr:34	Mar:35	Stats. Annual	E	E	E	M	M	M	Correspondence M/8/7/85
87	40:05:05:	21	500500	:35	:	Stats. Annual	E	N	___	S	D	___	Supp. Schedules for 1935 D/23/08/85 S/15/12/86
88	40:05:05:	22	500500	Apr:35	Mar:37	Stats. Annual	R	___	___	D	___	___	Correspondence D/23/08/85
89	40:05:05:	23	500500	:35	:	Stats. Annual	E	E	___	SD	D	___	Schedules 1A, 2, 1C, Appendices & Sundry includes transfer analyses, but Dist 1 only pack data. D/23/08/85 S/15/12/86 D/13/02/87
90	40:05:05:	24	500500	:36	:	Stats. Annual	E	E	___	S	D	___	Compilation for 1936 including shipments in & out of Areas, but Dist 1 only pack data. D/23/08/85 S/15/12/86 D/13/02/87
91	40:05:05:	25	500501	:36	:	Stats. Annual	E	N	___	S	D	___	Supp. Schedules for 1936. D/23/08/85 S/15/12/86
92	40:05:05:	26	500501	:37	:	Stats. Annual	RE	E	___	MS	D	___	Stats. for 1937 D/23/08/86. S/15/12/86 M/08/07/86
93	40:05:05:	27	500501	Apr:37	Mar:38	Stats Annual	___	N	___	___	D	___	D/23/08/85
94	40:05:05:	28	500501	:38	:	Stats. Annual	E	N	___	S	D	___	Stats. for 1938, includes compilations. D/23/08/85 S/15/12/86
95	40:05:05:	29	500502	Apr:38	Mar:39	Stats. Annual	___	N	___	___	D	___	D/23/08/85
96	40:05:05:	30	500502	:39	:	Stats. Annual	E	E	___	S	D	___	Schedules & Statements for 1939 D/23/08/85 S/15/12/86

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
97	40:05:05:	31	500502	Apr:39	Mar:40	Stats. Annual	___	N	___	___	D	___	D/23/08/85
98	40:05:05:	32	500502	Apr:40	Mar:41	Stats. Annual	___	E	___	___	D	___	Correspondence D/23/08/85
99	40:05:05:	33	500503	Apr:41	Mar:42	Stats. Annual	___	N	___	___	D	___	D/23/08/85
100	40:05:05:	34	500503	Apr:42	Mar:43	Stats. Annual	___	N	___	___	D	___	D/23/08/85
101	40:05:05:	35	500503	Apr:43	Mar:44	Stats. Annual	___	E	___	___	D	___	D/23/08/85
102	40:05:05:	36	500503	apr:44	Mar:45	Stats. Annual	___	N	___	___	D	___	D/23/08/85
103	40:05:05:	37	500503	Apr:45	Mar:46	Stats. Annual	___	E	___	___	D	___	D/23/08/85
104	40:05:05:	38	500504	Mar:47	Mar:48	Stats. Annual	___	N	___	___	D	___	D/23/08/85
105	40:05:05:	39	500504	Mar:48	Apr:50	Stats. Annual	E	N	R	S	D	S	Correspondence re forms, stat. system, etc. D/23/08/85
106	40:05:07:	01	500504	Oct:28	:	Stats. General - Herring	___	___	___	___	___	___	NOT REVIEWED
107	40:05:07:	02	500504	Apr:40	Mar:41	Stats. General - Herring	___	___	___	___	___	___	NOT REVIEWED
108	40:05:07:	03	500504	Apr:41	Mar:42	Stats. Genereal - Herring	___	___	___	___	___	___	NOT REVIEWED
109	40:05:07:	04	500505	:	:	Stats. General - Herring	___	___	___	___	___	___	NOT REVIEWED
110	40:05:07:	05	500505	:	:	Stats. General - Herring	___	___	___	___	___	___	NOT REVIEWED
111	40:05:07:	06	500505	:	:	Stats. General - Herring	___	___	___	___	___	___	NOT REVIEWED
112	40:05:05:01	01	500505	Apr:31	Mar:32	Stats. Salmon Gen.	___	E	___	___	D	___	D/23/08/85
113	40:05:09:01	02	500505	Apr:32	Apr:34	Stats. Salmon Gen.	___	___	___	___	___	___	NOT REVIEWED
114	40:05:09:01	03	500506	Apr:34	Mar:36	Stats. Salmon Gen.	E	___	___	D	___	___	Some pack transfer data into Dist 1, 1935 pack of pink salmon in Japan D/13/02/87
115	40:05:09:01	04	500506	Apr:36	Mar:37	Stats. Salmon Gen.	RE	N	N	DS	S	S	Alaska and Japan canned packs 1936 correspondence and some pack transfer data D/13/02/87 S/17/03/87
116	40:05:09:01	05	500506	Apr:38	Mar:39	Stats. Salmon Gen.	___	___	___	___	___	___	NOT REVIEWED
117	40:05:09:01	06	500506	Apr:39	Mar:40	Stats. Salmon Gen.	___	___	___	___	___	___	NOT REVIEWED
118	40:05:09:01	07	500506	Apr:40	Mar:41	Stats. Salmon Gen.	___	___	___	___	___	___	NOT REVIEWED

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119	40:05:09:01	08	500506	Apr:41	Mar:42	Stats. Salmon Gen.	E	N	N	S	S	S	Correspondence about weekly canned pack stats S/17/03/87
120	40:05:09:01	09	500507	Apr:42	Mar:45	Stats. Salmon Gen.	E	N	N	S	S	S	Correspondence about weekly canned pack stats S/17/03/87
121	40:05:09:01	10	500507	Oct:46	Aug:48	Stats. Salmon Gen.	E	N	N	S	S	S	Mostly weekly canned pack repts & assoc corresp. Contains Corresp & tables of troll chinook and coho catch WCVI & QCI & comments on accuracy of Hart/ Whitmore. S/22/08/86 S/17/03/87
122	40:05:09:01	11	500507	:45	:	Stats. Salmon Gen.	---	---	---	----	----	----	NOT REVIEWED
123	40:05:09:02	01	500507	:28	:39	Export of cannned salmon	---	---	---	----	----	----	NOT REVIEWED
124	40:05:09:03	01	500507	Sep:41	Mar:42	Weekly Salmon Packs	---	---	---	----	----	----	NOT REVIEWED
125	40:05:09:03	02	500507	Jun:41	Sep:41	Weekly Salmon Packs	---	---	---	----	----	----	NOT REVIEWED
126	10:01:01:	01	500469	Apr:23	Mar:29	Regs. Dist. 1 - General	---	---	---	----	----	----	NOT REVIEWED
127	10:01:01:	02	500469	Apr:29	Mar:33	Regs. Dist. 1 - General	---	---	---	----	----	----	NOT REVIEWED
128	10:01:01:	03	500469	Apr:33	Mar:37	Regs. Dist. 1 - General	---	---	---	----	----	----	NOT REVIEWED
129	10:01:12:01	01	500469	Apr:23	Mar:28	Regs. Dist. 1 - Salmon General	---	---	---	----	----	----	NOT REVIEWED
130	10:01:12:01	02	500470	Apr:28	Mar:33	Regs. Dist. 1 - Salmon General	---	---	---	----	----	----	NOT REVIEWED
131	10:01:12:01	03	500470	Apr:34	Mar:35	Regs. Dist. 1 - Salmon General	---	---	---	----	----	----	NOT REVIEWED
132	10:02:15:		500470	Feb:29	Mar:39	Regs. Dist. 2 - Trout	---	---	---	----	----	----	NOT REVIEWED
133	10:02:12:03		500470	Apr:40	Mar:41	Regs. Dist. 2 - Closing Dates	---	---	---	----	----	----	NOT REVIEWED
134	10:02:12:03		500470	Apr:41	Mar:44	Regs. Dist. 2 - Closing Dates	---	---	---	----	----	----	NOT REVIEWED
135	10:02:12:03		500470	Apr:44	Mar:45	Regs. Dist. 2 - Closing Dates	---	---	---	----	----	----	NOT REVIEWED
136	10:02:12:03		500470	Apr:45	Nov:46	Regs. Dist. 2 - Closing Dates	---	---	---	----	----	----	NOT REVIEWED
137	10:02:12:03	3,4	500471	Dec:46	Mar:49	Regs. Dist. 2 - Closing Dates	---	---	---	----	----	----	NOT REVIEWED
138	10:02:12:03	05	500471	Apr:49	Mar:50	Regs. Dist. 2 - Closing Dates	---	---	---	----	----	----	NOT REVIEWED
139	10:03:15:		500471	Apr:29	Mar:37	Regs. Dist. 3 - Trout	---	---	---	----	----	----	NOT REVIEWED
140	10:03:31:	01	500471	Apr:23	Mar:37	Regs. Dist. 3 - Indians	N	E	N	D	D	D	Weirs in Cowichan River, Drag seine - Nimpkish. Use of gas boats. D/15/07/85

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Page No.     8
09/02/89
                                                                    C=Commercial      E=Extracted      S=Sandy J=Jane
                                                                    I=Indian          R=Reviewed         H=David
                                                                    F=Fishing Effort  N=No Useful Info.  M=Mike
                                                                                                         D=Diana

#    FILE #       VOL BOX #   BEG    END    FILENAME                         C   I   F    C    I    F    COMMENTS

141 10:03:31:     02  500471  Apr:37 Mar:39 Regs. Dist. 3 - Indians           N   E   N    D    D    D    Weirs in Cowichan R. Permit debates - Cowichan R.
                                                                                                         D/15/07/85

142 10:03:12:01       500471  Apr:27 Mar:28 Regs. Dist. 3 - Salmon General   ___ N  ___   H   ____ ____ H/09/09/86

143 10:03:12:01 02    500472  Apr:28 Mar:29 Regs. Dist. 3 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

144 10:03:12:01 03    500472  Apr:29 Mar:30 Regs. Dist. 3 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

145 10:03:12:01 04    500472  Apr:30 Mar:33 Regs. Dist. 3 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

146 10:03:12:01 05    500472  Apr:33 Mar:35 Regs. Dist. 3 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

147 10:03:12:01 06    500473  Apr:35 Mar:38 Regs. Dist. 3 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

148 10:03:12:01 07    500473  Apr:38 Mar:41 Regs. Dist. 1 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

149 10:03:12:01 08    500473  Apr:41 Mar:45 Regs. Dist. 3 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

150 10:03:12:01 09    500473  Apr:45 Mar:50 Regs. Dist. 3 - Salmon General   ___ ___ ___ ____ ____ ____ NOT REVIEWED

151 10:03:12:02 01    500473  Apr:23 May:33 Regs. Dist. 3 - Salmon Boundaries E   N   R    S    S    S    Details on boundaries. Some catch data. S/7/08/85

152 10:03:12:02 02    500474  Apr:33 Mar:38 Regs. Dist. 3 - Salmon Boundaries ___ ___ ___ ____ ____ ____ NOT REVIEWED

153 10:03:12:03 01    500474  Mar:23 Apr:33 Regs. Dist. 3 - Closing Dates    ___ ___ ___ ____ ____ ____ NOT REVIEWED

154 10:03:12:03 02    500574  Apr:33 Mar:37 Regs. Dist. 3 - Closing Dates    ___ ___ ___ ____ ____ ____ NOT REVIEWED

155 10:03:12:03 03    500474  Apr:37 Mar:39 Regs. Dist. 3 - Closing Dates    ___ ___ ___ ____ ____ ____ NOT REVIEWED

156 10:03:12:03 04    500474  Apr:39 Mar:44 Regs. Dist. 3 - Closing Dates    ___ ___ ___ ____ ____ ____ NOT REVIEWED

157 10:03:12:03 05    500474  Apr:44 Mar:49 Regs. Dist. 3 - Closing Dates    ___ ___ ___ ____ ____ ____ NOT REVIEWED

158 10:03:12:03 06    500475  Apr:49 Mar:50 Regs. Dist. 3 - Closing Dates    ___ ___ ___ ____ ____ ____ NOT REVIEWED

159 10:05:01:     01  500475  Apr:23 Mar:24 Regulations General             ___ ___ ___ ____ ____ ____ NOT REVIEWED

160 10:05:01:     02  500475  Apr:29 Mar:30 Regulations General             ___ ___ ___ ____ ____ ____ NOT REVIEWED

161 10:05:01:     03  500475  Apr:45 Mar:46 Regulations General             ___ ___ ___ ____ ____ ____ NOT REVIEWED

162 10:05:04:     01  500475  Apr:33 Mar:38 Regulations - Cod               ___ ___ ___ ____ ____ ____ NOT REVIEWED

163 10:05:04:     02  500475  Apr:38 Mar:44 Regulations - Cod               ___ ___ ___ ____ ____ ____ NOT REVIEWED

164 10:05:05:         500476    :      :    Regs. - Greyfish                ___ ___ ___ ____ ____ ____ NOT REVIEWED
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165	10:05:07:	1-4	500476	:	:	Regs. - Halibut							NOT REVIEWED
166	10:05:07:	5-9	500477	:	:	Regs. - Halibut							NOT REVIEWED
167	10:05:08:	1-3	500478	:	:	Regs. - Herring							NOT REVIEWED
168	10:05:09:	1-3	500478	:	:	Regs. - Oysters							NOT REVIEWED
169	10:05:09:	4	500479	:	:	Regs. - Oysters							NOT REVIEWED
170	10:05:12:01	01	500479	Apr:23	Mar:27	Regs. General - Salmon							NOT REVIEWED
171	10:05:12:01	02	500479	Apr:27	Mar:28	Regs. General - Salmon							NOT REVIEWED
172	10:05:12:01	03	500479	Apr:28	Mar:29	Regs. General - Salmon							NOT REVIEWED
173	10:05:12:01	04	500479	Apr:29	Mar:33	Regs. General - Salmon							NOT REVIEWED
174	10:05:12:01	05	500480	Apr:33	Mar:37	Regs. General - Salmon							NOT REVIEWED
175	10:05:12:01	06	500480	Apr:37	Mar:40	Regs. General - Salmon							NOT REVIEWED
176	10:05:12:01	07	500480	Apr:40	Mar:43	Regs. General - Salmon							NOT REVIEWED
177	10:05:12:01	08	500480	Apr:43	Mar:50	Regs. General - Salmon							NOT REVIEWED
178	10:05:12:02		500480	Apr:23	Mar:48	Regs. General - Boundaries							NOT REVIEWED
179	10:05:12:03		500480	Apr:23	Mar:39	Regs. General - Open & Close Dates	E	N	R	M	M	M	NOT REVIEWED
180	10:05:12:04		500481	Sep:24	Mar:33	Regs. General - Embargo							NOT REVIEWED
181	10:05:13:		500481	:	:	Regs. General - Shrimps/Prawns							NOT REVIEWED
182	10:05:15:	1-4	500481	:	:	Regs. General - Trout							NOT REVIEWED
183	10:05:15:	5-8	500482	:	:	Regs. General - Trout							NOT REVIEWED
184	10:05:34:01	01	500483	Apr:33	Mar:37	Regs. General - Fraser Sock. Treaty	R			M			No statistics, but very useful historic material. M/?/?/?
185	10:05:34:01	02	500483	Apr:37	Mar:44	Regs. General - Fraser Sock. Treaty	R			M			See Vol. 1 M/?/?/?
186	10:05:34:01	03	500483	Apr:44	Aug:50	Regs. General - Fraser Sock. Treaty	R			M			See Vol. 1. M/?/?/?
187	10:05:34:02		500483	:22	:25	Regs. General - Fraser "Statements"	R			M			Figures on daily cannery packs by species. M/?/?/?
188	10:05:35:		500483	:	:	Regs. General - Shellfish							NOT REVIEWED

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
189	10:05:35:	01	500483	:23	:34	Regs. General - Washington	___	___	___	____	____	____	NOT REVIEWED
190	10:06:03:	02	500483	:34	:37	Regs. General - Washington	___	___	___	____	____	____	NOT REVIEWED
191	10:06:03:	03	500484	:37	:41	Regs. General - Washington	___	___	___	____	____	____	NOT REVIEWED
192	10:06:03:	04	500484	:42	:50	Regs. General - Washington	___	___	___	____	____	____	NOT REVIEWED
193	10:06:04:	01	500484	:23	:34	Regs. General - Alaska	___	___	___	____	____	____	NOT REVIEWED
194	10:06:04:	02	500484	:35	:44	Regs. General - Alaska	___	___	___	____	____	____	NOT REVIEWED
195	10:07:01:		500484	:32	:33	Regs. General - Meat & Canned Act	___	___	___	____	____	____	NOT REVIEWED
196	10:10:01:		500484	:23	:39	Regs. General - Sealing Treaty	___	___	___	____	____	____	NOT REVIEWED
197	40:05:19:		500508	:42	:45	Stats. - Liver &Liver Oil	___	___	___	____	____	____	NOT REVIEWED
198	40:05:14:		500508	:37	:39	Stats. General - Cold Store Holdings	___	___	___	____	____	____	NOT REVIEWED
199	40:05:12:	02	500508	:	:	Stats. General - Pilchard	___	___	___	____	____	____	NOT REVIEWED
200	40:05:12:		500508	:	:	Stats. General - Cold Store Holdings	___	___	___	____	____	____	NOT REVIEWED
201	40:05:12:		500508	:30	:39	Stats. General - Clams	___	N	___	____	H	____	H/15/09/86
202	No:# : :		500508	:	:	1876-1901, 1919-23 Stat & Gen. Info.	E	N	N	D	D	D	Various stat tables & some corr. Precursor of Basebook & pub material - probably no original material. D/18/07/85
203	No: #: :		500508	:	:	1919-1923 Var. Stat. & General Info.	___	E	___	____	D	____	Various briefing material including orig. stat. info. (e.g., daily sockeye catches on Fraser, 1918 breakdown of exports in 1917) D/12/07/85
204	No:# : :		20162	:39	:45	Ann. Narr. Rept. Dist. 1 '39-'45	___	___	___	____	____	____	NOT REVIEWED
205	No: #: :		20162	:39	:45	Ann. Narr. Rept. Dist. 2 '39-'45	___	I	___	____	____	____	D/26/08/86
206	No: #: :		20162	:39	:45	Ann. Narr. Rept. Dist. 3 '39-'45	___	N	___	____	____	____	H/12/09/86
207	60:1:1		4136	Apr:37	Mar:39	Ann. Rept. Superv. & Insp., Dist. 1	R	E	___	D	DH	____	IFF stats., very general commercial stats. in Inspectors repts, Supervisors repts contain more commercial stats H/27/10/86 D/30/07/85
208	60:3:1		4136	Jan:41	Mar:45	Ann. Rept. Superv.& Inspectors Dist 3	R	E	___	D	D	____	Commercial catch data for sub-districts, some IFF stats for 1941 D/30/07/85
209	60:4:1		4136	Apr:38	Mar:43	Ann. Rept. Chief Supervisor	R	E	___	D	D	____	Commercial catch stats. for 1939-1943 and IFF stats. D/30/07/85

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210	: : :		4135	Apr:32	Mar:37	Ann. Rept Chief Supervisor	R	E	___	D	D	____	Commercial catch statistics D/30/07/85
211	: : :		4135	:37	:39	Ann. Rept. Chief Supervisor	R	E	___	D	D	____	IFF stats for Fraser River 1937-1938, commercial salmon catch stats 1936-1938 D/30/07/85
212	: : :		4135	Apr:23	Mar:32	Ann. Rept. Chief Supervisor	R	E	___	D	D	____	IFF catch for 1929-1931, canned pack Fraser River Dist 1876-1928 pack for Rivers & Smiths Inlets 1881-1928, Naas 1881-1928 and various other statistics D/29/07/85
213	60:03:01:	01	4138	Apr:45	Mar:47	Supervisors Narr. Rept. Dist. 3	E	E	E	DS	DS	DS	Some commercial catch statistics for 1946 in the district reports & IFF statistics. Subdistrict & district ann. narrs. D/31/07/85 S/28/08/86
214	60:03:01:	02	4138	Apr:47	Jun:58	Supervisors Narr. Rept. Dist. 3	E	N	E	DS	DS	DS	Sub district & district ann. narratives. Copied 1947 district narrative. D/31/07/85 S/28/08/86
215	60:01:01:	01	4138	Apr:45	Mar:48	Supervisors Narr. Rept. Dist. 1	E	E	N	DS	DSH	DS	IFF stats, very few commercial stats. H/27/10/86 D/31/07/86 S/28/08/86
216	60:02:01:		4134	Dec:45	Mar:48	Dist Supervisors Narr. Rept. Dist. 2	E	E	N	DS	DS	DS	Catch stats comm. 1946, Effort comparison 1946 & 1947, IFF statistics D/25/07/85 Extracted all D2 narratives 1946 S/27/08/86.
217	10:02:31	01	25269	May:37	May:61	Regulations D # 2 - Indians	N	E	N	D	D	D	Statistical Review of Indian Fishery at Moricetown 1930-1959 D/18/07/86
218	10:03:31	01	25272	Apr:39	Jun:07	Regulations - Indians	___	E	N	____	D	D	Statistics for 1939 D # 3 Stats for 1940-55 Nimpkish River food catch & commercial catch. D 18/07/86
219	26:01		10330	:	:	Whaling Stations	N	N	N	D	D	D	Odd file name we have Indian Corres on stats for 26-1. D/15/07/85
220	10:01:31	1	10281	Apr:23	May:34	D#1 Regulations General - Indians	N	N	N	D	D	D	Redistribution of cured salmon products from coast to interior Indians. Methods of curing & packing. D/15/07/85
221	10:01:31	2	10281	Apr:33	Mar:42	D #1 Regulations General - Indians	N	E	N	D	D	D	Permits & closures. Use of nets controversy in Coquitlam & Harrison River. Experimental redistribution of cured salmon to interior Indians. D/15/07/85
222	10:05:31	01	10294	Apr:23	Mar:44	Regulations General - Indians	N	E	N	D	D	D	Permits & methods. Letters with reference to file 26:01 D/15/07/85
223	40:02:01	02	500488	Apr:23	Mar:24	Statc Dist. 2 - General	E	N	___	M	M	____	Monthly statistical returns & corr. M/18/07/85

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
224	40:02:09:01		500488	Apr:45	Dec:46	Stats Dist 2. - Salmon General	E	N	N	S	S	S	Monthly stats by species and product. S/18/7/86
225	60:01:01		20162	Dec:39	Feb:45	Ann. Narr. Rep. D. 1	R	R	___	S	S	____	Some narrative on Indian food catch. S/17/7/85
226	10:03:31	01	500471	Apr:23	Mar:37	Regulations Indians Dist 3	___	E	___	____	S	____	Some correspondance on catch & number families. S/18/07/86
227	10:1:31	1	25266	Apr:42	Sep:62	Regulations Dist.1 - Indians	N	E	N	D	D	D	Indian food fish catch data, H/8/10/86
228	10:1:31	2	25266	Sep:62	May:68	Regulations Dist. 1 - Indians	N	E	N	D	D	D	Contains report: An examination of the Fraser River Indian fishery 1942-1964, J/8/10/86
229	10:3:31	2	25272	Jun:61	Apr:73	Regulations Dist.3 - Indians	N	N	N	D	D	D	No information prior to 1961, D/23/07/85
230	46:2:1		10330	Apr:18	Mar:23	Spawning Areas Dist. 2 - General	___	N	N	____	D	D	Spawning reports and corresp., D/24/07/85
231	46:2:2		10330	Apr:18	Mar:23	Spawning areas Dist.2 - Rivers Inlet	___	N	N	____	D	D	Total pack stats. for Rivers Inlet 1921, corresp., D/24/07/85
232	46:2:3		10330	Apr:18	Mar:23	Spawning areas Dist.2 - Smiths Inlet	___	N	N	____	D	D	Total cases packed at Smiths Inlet 1921, Rivers and Smiths sockeye pack for 1904-1918, D/24/07/85
233	46:2:4		10330	Apr:18	Mar:23	Spawning areas Dist. 2 - Skeena R. Dist.	___	E	N	____	D	D	Indian catch statistics present D/24/07/85
234	46:2:5		10330	Apr:18	Mar:23	Spawning areas Dist.2 - ,Bella Coola	___	N	N	____	D	D	Salmon pack stats. for Bella Coola 1920-1922. Sockeye pack for Kimsquit 1914-1918. D/24/07/85
235	46:2:6		10330	Apr:18	Mar:23	Spawning areas Dist.2- Central Division	___	N	N	____	D	D	Total catch of sockeye at Mink Trap Bay 1913-1919 D/24/07/85
236	46:2:7		10330	Apr:18	Mar:23	Spawning areas Dist.2 - Naas River	___	N	N	____	D	D	Corresp., general spawning reports D/24/07/85
237	46:2:8		10330	Apr:18	Mar:23	Spawning areas Dist.2 - Queen Charl. Dis	___	N	N	____	D	D	General reports no catch stats D/24/07/85
238	49:1:1		10330	Apr:18	Mar:23	Spawning areas Dist.1 - General	___	E	N	____	D	D	Indian catch stats., corresp. D/24/07/85
239	46:1:2		10330	Apr:18	Mar:23	Spawning areas Dist 1- Fraser River	___	N	N	____	D	D	General reports D/24/07/85
240	46:1:3		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Hope dist.	___	E	N	____	D	D	Indian catch stats. D/24/07/85
241	46:1:4		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Lillooet	___	N	N	____	D	D	D/24/07/85
242	46:1:5		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Kamloops	___	N	N	____	D	D	D/24/07/85
243	46:1:6		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Ft George Dist	___	E	N	____	D	D	Indian catch data D/24/07/85

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244	46:1:7		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Quesnel	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
245	46:1:8		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Bridge River	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
246	46:1:9		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Pitt Lake	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
247	46:1:10		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Boundary Bay	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
248	46:1:11		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Harrison Lake	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
249	46:1:12		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Cultus Lake	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
250	46:1:13		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Kootenay Dist	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
251	46:1:14		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Okanagan Dist	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
252	46:1:15		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Burrard Inlet	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
253	46:1:16		10330	Apr:18	Mar:23	Spawning areas Dist.1 - Sumas River	___	N	N	____	D	D	Standard spawning area reports D/24/07/85
254	20:1-20:5		10320	Apr:18	Mar:23	Annual Reports	R	E	___	D	D	____	Indian catch stats. included along with commercial catch stats. and narrative reports D/25/07/85
255	420:1:1-21		4134	:51	:51	Area histories Dist.2 and 3	R	E	___	D	D	____	IFF stats for each area in the two Dists. (the whole file has been copied) D/25/07/85
256			4134	:12	:61	Expectations for salmon runs 1962	___	N	___	____	D	____	Rivers Inlet and Smiths Inlet commercial sockeye catch for 1912-1961 (millions of fish graph) D/25/07/85
257			10339	:28	:28	1928 Instructions to overseers	___	N	___	____	D	____	How to fill out various forms ie Schedule 1A, II etc. D/25/07/85
258			10339	:	:	1948 Salmon returns all Districts	___	N	___	____	D	____	Forms showing numbers of salmon caught (by species) by purse seine operators D/26/07/85
259	60:02:01		10338	Dec:34	Mar:39	Annual repts Supers. & Inspects. Dist.2	R	E	___	D	D	____	All narratives contain canned pack and cwt stats. (commercial) D/26/07/85
260	131:01		10338	May:18	Mar:23	General Correspondence	___	N	___	____	D	____	Some commercial data re salmon pack Dist.2 -1918 found in the correspondence D/26/07/85
261	50:04:01		10338	:50	:51	Staff Hdqs Office of Chief Supervisor	___	N	___	____	D	____	Fisheries Inspectors weekly diaries (contains the odd mention of ??) D/26/07/85
262	51:01		10338	:19	:20	Licences - General (All B.C.)	___	N	___	____	D	____	Licenses: Drag-Seine, purse, etc. D/26/07/85
263	63-67		10331	Apr:18	Mar:23	Miscellaneous Information	R	N	___	D	D	____	Fraser River Pack from 1876 to 1919 in file 63. File 65-3:details of catch per boat & landed catch at Ucluelet & Claquot. D/?/?/?

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264	81:01-81:07		10331	Apr:18	Mar:23	General Correspondance D #1	N	E	___	D	D	___	IFF Statistics - 1918 Fraser River D/?/?/?
265	31-31:A		10337	May:11	Apr:18	Statistics for D #2 & Corres.	___	N	___	___	D	___	Conversion factors, 1912. 1917-18 monthly returns. Cannery statistics. Corr. licences. D/29/07/85
266	30:02:02		10337	Apr:23	Mar:32	D #2 Spawning Areas Naas River	___	E	N	___	D	D	Spawning Reports & General Corr. D/29/07/85
267	33:05:01		10337	Apr:34	Mar:41	Enemies of Salmon - General	___	N	___	___	D	___	The corr. contained in this file folder are cannery reports & corr. for 1918. D/29/07/85
268	113:A	02	10337	:17		1917 - Advisory Board Meetings	N	E	___	D	D	___	Meeting notes Re: Indian Fishing Rights D/29/07/85
269	113:A	03	10337	:18		1918 - Advisory Board Meetings	N	E	___	D	D	___	Spawning ground reports Canned pack reports districts 1,2,3 Export of salmon. D/29/07/85
270	60:03:01	03	4138	Jun:58	May:62	Annual Repts D # 3 Supervisor	N	N	N	D	D	D	Sub-district reports. D/31/07/85
271	60:04:03		4138	:23	Mar:39	Annual Repts "Givenchy"	N	N	___	D	D	___	D/31/07/85
272	5615:02:102	01	419728	Jun:74	Jun:78	Licences IFF - General	N	N	N	D	D	D	"Working paper on Indian food fisheries & salmonid enhancement & corr.: IFF management. D/6/08/86
273	11:05:02	01	30158	May:60	Dec:68	Licences - Indian Permits general	N	N	N	D	D	D	IFF catch statistics 1960-68. 1950-59 summary of licences. D/6/08/86
274	11:02:01		30156	Jul:33	May:70	Licences D #2 General.	N	N	N	D	D	D	Corr. IFF Permits. D/6/08/86
275	11:02:22	3-7	30156	Mar:53	Apr:60	Licences D #2 Indian Permits General	N	N	N	D	D	D	Vol 3-7 contains lots of IFF catch statistics from 1960 on. D/6/08/86
276	09:05:03		10299	:21	:		N	N	N	D	D	D	Standard forms ("Report on salmon streams") D/6/08/86
277	09:P1-P6		10299	Apr:18	Mar:23	Obstructions - Fishways & Pollutions	N	N	N	D	D	D	General correspondence: Fish ladders, dams, spawning grounds. D/6/08/86
278	9:01		10299	Apr:	Feb:23	Obstructions	N	N	N	D	D	D	corr: Pollution of Vancouver Harbor Timber marks issued Proposed Improvements. D/7/08/86
279	60:01:01		20162	Jan:40	Mar:85	Annual Reports D #1	R	E	___	D	D	___	Narratives & subdistrict reports contains both IFF and commercial statistics. D/7/08/86
280	60:02:01		20162	Dec:39	Mar:45	Annual Reports D #2	R	E	___	D	D	___	Narratives & sub-district reports containing both IFF & commercial statistics. D/7/08/86

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281	60:03:01		20162	Sep:34	Mar:37	Annual Reports D #3	R	E	___	D	D	____	Narratives & sub-district reports containing both IFF & commercial statistics. D/7/08/86
282	61:01:02		20164	Aug:28	Jun:72	Reports by Fishery Officers.	___	N	___	____	D	____	Daily & weekly reports - General. Appears to be of little value. D/8/08/86
283	61:01:03:01	1	20164	Apr:51	Dec:57	Reports Annual Salmon History D #1 Gen.	R	N	___	D	D	____	Commercial statistics for Fraser River. 1951. D/8/08/86
284	60:05:01		20164	Apr:23	Apr:57	Annual Reports General	___	N	___	____	D	____	Contains blue booklets lists of inspectors & general corr. D/8/08/86
285	60:04:05		20164	Apr:23	Mar:37	Annual Reports-Supervisor Fish Culture	N	N	N	D	D	D	Hatchery correspondence escapement etc. D/8/08/86
286	60:04:01		20163	:53	:58	Ann. Reps. Headquarters Chief Supervisor	N	N	N	D	D	D	Contains IFF & commercial statistics for 1953-1958. D/8/08/86
287	61:02:01		20165	Apr:45	Nov:53	Cannery Inspection Reps. D #2	___	N	___	____	D	____	Standard cannery Reports (whats canned by species). D/8/08/86
288			500540	:03	:	General corr.	___	E	___	____	D	____	IFF corr (one letter). 1903 Report B.C. salmon commission. D/8/08/86
289	5871:BCI:01	1	416143	Jan:49	Feb:60	Annual Narrative Reports D #1	N	E	___	DS	DS	____	Contains IFF & commercial statistics for Quesnel & Prince George subdistricts. D/8/08/86 S/13/08/86
290	5871:BCI:02	1	416143	Mar:48	Jun:50	Annual Narrative Reports D #2	E	E	___	DS	DSH	____	Contains IFF & commercial statistics. Dist 1 salmon GLW by species 1949. D/8/08/85 S/13/08/86 H/9/10/86
291	5871:BCI:02	2	41643	Jun:50	Dec:53	Annual Narrative Reports D #2	E	E	___	DS	DS	____	IFF & commercial statistics. Dist 1 salmon GLW by species 1950. D/8/08/86 S/13/08/86
292	5871:BCI:03	1	416144	Feb:48	Dec:55	Annual Narrative Reports D #3	R	E	___	D	D	____	Commercial & IFF statistics. D/9/09/86
293	5871:BCI:04	1	416144	Jan:47	Feb:51	Annual Narrative Reports D #4	E	E	___	D	D	____	Commercial & IFF statistics. D/9/08/86
294	5871:BCI:04	2	416144	Feb:51	Apr:59	Annual Narrative Reports D #4	___	E	___	____	D	____	IFF statistics contained in narrative reports. D/9/08/86
295			10332	:22	:	1922 Agenda for Ottawa	E	N	___	DS	DS	____	Salmon pack by species for 1895 to 1922. Salmon pack - Washington 1887-1921 Puget Sound, 1866-1921 Columbia River D/9/08/86 S/13/08/86
296			10332	:24	:26	Agenda for JA Rodd	___	E	___	____	D	____	1926 Report containing IFF statistics D/9/08/86
297			10332	:26	:	1926 Agenda for W.A. Found	N	N	___	D	D	____	D/9/08/86

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298		10332	Nov:24	:	Agenda - Fisheries/ Nov. 1924	R	N	N	D	D	D	Salmon Pack 1924 Regulations, licences, expenditures. D/9/08/86
299		10332	Sep:25	:	Agenda - Fisheries	R	N	___	D	D	____	Salmon pack 1925. D/9/08/86
300		10332	:31	:	1931 Agenda J.A. Rodd/Cowie/W.A. Found	N	E	___	D	D	____	Salmon caught & landed 1931 (cwts) salmon pack 1930 IFF statistics for 1930 & 1931. (IN FOUND'S AGENDA) D/S//08/86
301		10332	:31	:	1931 Agenda: Minister prepared visit	R	N	___	D	D	____	Salmon embargo corr. salmon pack statistics. D/9/08/86
302		10332	:42	:43	Agenda 1942-43 Deputy Minister	E	N	___	DS	DS	____	Salmon pack 1941-43 & various years used as comparisons somecatch statistics 1933-42 D #1 Report on sockeye salmon fisheries convention 1930 Sloan inquiry into sockeye traps D/9/08/86 S/13/8/86
303		10332	:22	:	1922 Agenda	N	N	___	D	D	____	Contains several reports dated from 1905 to 1922. DBS Reports, Fish Commission Repts - We have access to them through libraries. D/9/08/86 S/13/08/86
304		10333	:19	:	1919 Barclay Sd. Invest. Herring&Salmon	N	N	N	D	D	D	D/12/08/86
305		10333	:19	:	Corr. & general info/inquiry @ Duncan	N	N	N	D	D	D	D/12/08/86
306		S3093	:19	:	1919 Invest. Barclay Sd. Herring & Salmon	R	N	___	D	D	____	Number of salmon caught under purse seine, drag & trap net licences in Barclay Sound 1918. D/12/08/86
307		10333	:95	:22	See Below	R	N	N	D	D	D	1919-22 papers taken on Inspection trip to northern waters. July 1919 Naas R. conference with Alaska Fisheries Board. Salmon pack on Naas R. 1895-1921. D/12/08/86
308		10333			Investigation Smith's Inlet	N	N	N	D	D	D	D/12/08/86
309		10334	:27	:	Judicial Enquiries 1927: Rep. of proc's	___	N	___	____	D	____	D/12/08/86
310		20157	:60	:	Statistics 1960 -)	N	N	N	D	D	D	[20158 is the same] D/12/08/86
311		20158	:	:		N	N	N	D	D	D	See 20157 D/12/08/86

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312			20166	:51	:	Annual Reps Salmon History D #2 1951-)	N	N	N	D	D	D	D/12/08/86
313	5871:BCI:8	1	416146	Mar:49	May:50	Annual Narrative Reports D #8	E	E	___	D	D	____	D #2 salmon landings 1940-49 IFF statistics D/12/08/86
314	5871:BCI:8	2	416146	May:50	May:52	Annual Narrative Reports D #8	E	E	___	D	D	____	D #2 Commercial statistics for 1950 & 1951 D/12/08/86
315	5871:BCI:9	1	416146	Apr:49	Jun:51	Annual Narrative Reports D #8	E	E	___	D	D	____	Commercial statistics for Q.C.I. 1941-1951. Graph showing salmon production (cwt by species) 1930-1949 for north Q.C.I. D/12/08/86
316	5871:BCI:5	1	416145	Apr:48	May:58	Annual Narrative Reports D #5	R	E	___	D	D	____	Salmon landings for Quathiaski 1946-1951. D/12/08/86
317	5871:BCI:6	1	416145	Mar:49	Dec:51	Annual Narrative Reports D #6	E	N	___	D	D	____	Salmon production Smith & Rivers Inlets 1942-51 Sockeye production 1925-49 (graph). D/12/08/86
318	5871:BCI:7	1	416145	Jan:49	Mar:53	Annual Narrative Reports D #7	E	N	___	D	D	____	Salmon landings Butedale & Bella Bella 1943-1952 * Conversions for 1936? (I extracted this). D/12/08/86
319			10297	:	:	International Regulations	N	N	N	D	D	D	D/12/08/86
320			10235	:	:	Inspectors Weekly Reports	N	N	N	D	D	D	The odd mention of the weeks salmon catch by Indians & whether or not they were fishing that week or not. * Probably not worth going through. D/12/08/86
321	62:02:02	7	10306	Apr:34	Mar:35	General Reps - Fish & Pack Ops. D #2 Sal	R	N	___	D	D	____	Corr: Fishing conditions average catch per boat 1934. D/12/08/86
322	62:02:02	6	10306	Apr:32	Mar:34	Gen. Reps. Fishing conds. D #2 Salmon	R	N	___	D	D	____	Commercial: # of boats used during 1933 season average catch per boat, etc. D/12/08/86
323	03:01		10278	:18	:20	1918-1920 Regulations - General	N	E	___	D	D	____	1916 maps of Kwawkewlth Agency Naas Agency QCI Agency & Bella Coola Agency (showing old & new reserves & cut offs or reductions). D/13/08/86
324	10:01:12:01	1	10278	Apr:35	Mar:39	Regulations General - Salmon D #1	E	N	E	D	D	D	Maybe useful information on effort. D/14/08/86
325	10:01:12:01	4	10278	Apr:44	Mar:47	Regulations General Salmon D #1.	R	N	___	D	D	____	Lower Fraser sockeye catch 1941-45. 1942-46 salmon landed byspecies in Lower Fraser. Statistical methods used for reporton investigation into the quality of sockeye, 1946 Part 1. D/14/08/86

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326	10:01:12:01	3	10278	Apr:42	Mar:44	Regulations General - Salmon D #1	N	N	N	D	D	D	D/19/08/86
327	10:01:12:01	2	10278	Apr:39	Mar:42	Regulations General - Salmon D #1	N	N	___	D	D	____	D/19/08/86
328	41:05:04:03		29260	Jan:61	Sep:71	Economic Services Statistical Maps	N	N	N	D	D	D	D/19/08/86
329	41:05		29261	:	:	Monthly Catch Stats: 1961 -)	N	N	N	D	D	D	D/19/08/86
330	30:01:01		4127	Apr:34	Mar:37	Salmon Spawning Reps - General	N	E	N	D	D	D	Corr: Includes IFF catch D/19/08/86
331	30:03:01		4127	Apr:23	Mar:34	Salmon Spawning Areas - General D #3	N	N	N	D	D	D	D/19/08/86
332	30:03:01		4127	Apr:34	Mar:41	Spawning Areas - General D #3	N	N	N	D	D	D	D/19/08/86
333	11:01:22		44453	Aug:49	Mar:58	Licences D #1 - Indian Permits General	N	E	N	D	D	D	1950 & 51 IFF catch statistics. D/19/08/86
334	30:02:04		4125	Apr:23	Mar:37	Spawning Areas D #2 - Central Area	N	N	N	D	D	D	D/21/08/86
335			500538	:27	:39	1933 Agenda Deputy Min. (Found Cowie)	E	N	R	S	S	S	Organized binders highlighting regulatory actions, issues, statistics for apparently senior government officials & politicians in Ottawa 1933 copied S/22/08/86
336			500539	:22	:49	Agendas	R	N	R	S	S	S	Contains minutes of meeting with WDF authorities 1922 re Fraser sockeye, pinks & interesting effort, opening fishing date, & daily catch stats. S/22/08/86
337	40:05:01	17	500507	:34	:48	Various statistic.. and general information.	R	N	N	S	S	S	Burton Report, maps, description of stat areas, copies of allforms S/22/08/86
338	41:05:04:03		29260	Jan:61	Sep:71	Economic Services / Statistical Maps	N	N	N	D	D	D	Correspondence: Re boundaries Catch statistics starts at 1963D/22/08/86
339	41:05		29261	:61	:	Monthly catch statistics 1961 -)	N	N	N	D	D	D	D/22/08/86
340	61:01:02		10304	Apr:31	Mar:34	Gen. Reps Fishing & Packing Ops. D #1	N	N	N	D	D	D	Correspondence re daily catches & canning stats. Some mentionof weekly openings. S/22/08/86
341	10:01:01-06		10329	Apr:18	Mar:23	Stats Central Dist # 1	E	E	___	M	M	____	Weekly, monthly stat forms, data on #/case M/22/08/86
342	60:04:01	3	30175	Apr:50	Dec:52	Ann. Rep. Headquarters- Chief Supervisor	N	E	N	D	D	D	D/23/08/86
343	11:03:22		30157	Jan:50	Oct:69	Licences D #3 - Indian Permits	N	E	N	D	D	D	D/23/08/86
344	60:04:01		30157	Dec:52	Jan:53	Ann Rep Headquarters- Chief Supervisor	N	N	N	D	D	D	D/23/08/86

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345	11:01:22	44453	Mar:58	Apr:68	Licences D #1 Indian Permits General	N	N	N	D	D	D	IFF catch statistics & licence information D/19/08/86
346	10:01:12:01	10278	Apr:44	Mar:47	D#1 Regulations General - Salmon	E	N	___	D	D	____	US/CDN booundaries, general correspondence, some transfer data (extracted) D/19/08/86
347	10:02:12:01	10284	Jul:44	Mar:50	D#2 Regulations General - Salmon	E	N	___	D	D	____	General correspondence, transfer info (extracted) D/19/08/86
348	10:02:12:02	10284	Apr:45	Aug:50	D#2 Regs. Gen. Salm./Comm. Fish. Bound.	E	N	___	D	D	____	Transfer info extracted D/19/08/86
349	40:05:05	500503	Apr:45	Feb:47	Statistics - General Annual Vol. 37	E	N	___	D	D	____	Transfer info extracted D/19/08/86
350	40:03:09:01	500490	Apr:45	Jan:48	Statistics - D#3 Salmon General Vol. 8	N	N	N	D	D	D	Traps at Sooke, catch statistics (commercial) D/19/08/86
351	10:05:12:02	500480	Aug:42	Feb:51	Regs. Gen. - Salm./Comm. Fish. Bound.	N	N	N	D	D	D	Corr. re boundaries D/19/08/86
352	10:05:12:03	500480	Apr:43	May:31	Regs. Gen. Salm/open & close dates Vol 2	N	N	N	D	D	D	Correspondence re dates of opening and closing D/19/08/86
353	10:05:12:01	500480	Apr:45	Mar:50	Regulations General - Salmon Vol. 8	N	N	N	D	D	D	Correspondence mesh sizes D/19/08/86
354	10:03:12:01	500473	Apr:45	Mar:50	Regulations D#3 Salmon - General Vol. 9	N	N	N	D	D	D	Correspondence closure dates, boundaries etc. D/19/08/86
355	40:02:09:01	500488	Apr:45	Mar:50	Statistics - General Salmon Gen. Vol. 7	E	___	___	D	____	____	Previously extracted by Sandy D/19/08/86
356	40:05:01	500494	Apr:43	Mar:45	Statistics - General Vol.14	E	N	___	D	D	____	Extracted conversion table D/19/08/86
357	40:05:01	500494	Apr:42	Mar:43	Statistics - General Vol.13	N	N	___	D	D	____	Catch stats commercial, lists of fishing vessels D/19/08/86
358	40:05:01	500494	Apr:45	Mar:49	Statistics - General Vol.15	N	N	___	D	D	____	Commercial catch statistics (has been reviewed by Sandy) D/19/08/86
359	40:05:01	500494	Apr:49	Mar:50	Statistics - General Vol.16	N	N	___	D	D	____	Monthly review 1950, Correspondence re fishing vessels D/19/08/86
360	40:05:01	500492	Apr:25	Mar:26	Statistics - General Vol.3	N	N	___	D	D	____	Monthly stat. returns for B.C. 1926, list of canning and curing establishments, B.C. dry salt salmon pack by district. D/19/08/86
361	40:05:01	500493	Apr:34	Mar:36	Statistics - General Vol.9	R	N	___	D	D	____	Advance report on Fisheries of B.C. 1933, by Minister of Trade and Commerce, General corr. and commercial catch stats. D/19/08/86

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362			PR2-D	Apr:19	Mar:60	Guardians General, Weekly reports, Inspectors General	E	E	R	----	----	----	Annual commerical stata D II, old spawning ground reports forRivers Inn, corresp. re ann. stats. S/2/12/86
363			PR2-D	Apr:21	Mar:68	Info, corresp, etc. relating to salmon management	E	E	R	S	S	S	Some statistics amongst correspondence. S/2/12/86
364	5871-1		1:Bay 2128	:27	:27	Fisheries Annual statistics 1927 Vancouver Island	R	E	R	S	S	S	Schedules and worksheets for commerical fishery some IFF catch schedules some correspondence re commercial statistics. S/3/12/86
365	5871-1	1	1:Bay 2128	:28	:28	Fisheris Annual Statistics 1928 Vancouver Island	R	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86
366	5871-2	2	1:Bay 2128	:28	:28	Fisheries Annual Statistics 1928 Vancouver Island	R	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics. S/3/12/86
367	5871-3		1:Bay 2128	:29	:29	Fisheries Annual Statistics 1929 Vancouver Island	R	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86
368	5871-4		1:Bay 2128	:30	:30	Fisheries Annual Statistics 1930 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86
369	5871-5		1:Bay 2128	:31	:31	Fisheries Annual Statistics 1931 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86
370	5871-6		2:Bay 2128	:32	:33	Fisheries Annual Statiostics 1932-33 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86
371	5871-6		2:Bay 2128	:34	:34	Fisheries Annual Statistics 1934 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86
372	5871-7		:Bay 2128	:35	:35	Fisheries Annual Statistics 1935 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86

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373	5871-8	2:Bay 2128	:36	:36	Fisheries Annual Statistics 1936 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/12/86
374	5871-9	2:Bay 2128	:37	:37	Fisheries Annual statistics 1937 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87
375	5871-10	2:Bay 2128	:38	:38	Fisheries Annual Statistics 1938 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87
376	5871-11	3:Bay 2128	:39	:39	Fisheries Annual Statistics 1939 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87
377	5871-12	3:Bay 2128	:40	:40	Fisheries Annual Statistics 1940 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence3 re commercial statistics S/3/01/87
378	5871-13	3:Bay 2128	:41	:41	Fisheries Annual Statistics 1941 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87
379	5871-4	3:Bay 2128	:42	:42	Fisheries Annual Statistics 1942 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87
380	5871-15	3:Bay 2128	:43	:43	Fisheries Annual Statistics 1943 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87
381	5871-16	3:Bay 2128	:44	:44	Fisheries Annual Statistics 1944 Vancouver Island	E	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87
382	5871-17	3:Bay 2128	:45	:45	Fisheries Annual Statistics 1945 Vancouver Island	R	E	R	S	S	S	Schedules and worksheets for commercial fishery some IFF catch schedules some correspondence re commercial statistics S/3/01/87

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383	5871-18		3:Bay 2128	:46	:46	Fisheries Annual Statistics 1946 Vancouver Island	R	E	R	S	S	S	Schedules and worksheets for commercial fishey some IFF catch schedules some correspondence re commercial statistics S/3/01/87
384	5615-9	1	46:Bay 2129	:51	:63	Indians General	N	N	N	D	D	D	Contains original petitions by Cowichan Indians removal of barricades D/18/11/86
385	5600-1		46:Bay 2129	:39	:41	Licences Permits General	N	N	N	D	D	D	Mostly cod fishing licences D/18/11/86
386	5752-2	4	49:Bay 2129	:29	:32	Regulations General	N	N	N	D	D	D	Closures, mesh sizes for salmon, etc D/18/11/86
387	5752-2	3	49:Bay 2129	:39	:45	Regulations General	N	N	N	D	D	D	Closures, mesh sizes for salmon, etc. D/18/11/86
388	5754-3	2	50:Bay 2124	:38	:54	Salmon regulations	N	N	N	D	D	D	D/18/11/86
389	3585-2		19:Bay 2129	:29	:32	General correspondence	N	N	N	D	D	D	D/18/11/86
390	5712-2	9	37:Bay 2129	:31	:33	Pacific region statistics - Canned Reports	N	N	N	D	D	D	Canned salmon pack reports and schedules D/18/11/86
391	5712-2	8	37:Bay 2129	:33	:35	Salmon Run Reports	N	N	N	D	D	D	Cprrespondence re commercial catch statistics and canned salmon packs D/18/11/86
392	5712-2	1	35:Bay 2129	:29	:31	Annual Catch Statistics	R	N	N	D	D	D	Salmon canned pack bulletins and weekly reports D/18/11/86
393	5712-2	2	35:Bay 2129	:29	:31	Annual Catch Statistics	R	N	N	S	S	S	Correspondence re canned slamon pack, nos. caught Alberni Canal and vessel salmon catch success S/18/11/86
394	5712-2	6	36:Bay 2129	:48	:49	Annual Statistics	N	N	N	S	S	S	S/18/11/86
395	10:02:01		10281	Apr:23	May:33	D#2 regs. General	___	N	___	____	H	____	American Indians fishing for Oolichens on the Nass R. This fishery claimed by Nass River Indians. H/20/8/86
396	20:02		10320	Apr:18	Mar:23	Chief Inspector - Annual Reports	___	N	___	____	D	____	Indians moving from Fraser watershed to Babine to fish. Mgmt. of Nass fishery. DFO restricting fishing on spawning grounds D/25/8/86
397	20:03		10320	Apr:18	Mar:23	D #1 - Annual Reports	___	N	___	____	D	____	Management of IFF catch on Fraser R. D/25/8/86

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398	20:04		10320	Apr:18	Mar:23	D#2 - Annual Reports	___	N	___	____	D	____	Indians moving from Fraser watershed to Babine area to fish for salmon in fall. Recommendations for permanent overseer to Upper Skeena. D/25/8/86
399	20:05		10320	Apr:18	Mar:23	D#3 - Annual Reports	___	N	___	____	D	____	D/25/8/86
400	10:02:12:03	1	10285	Apr:23	Mar:34	D#2 - Regulations General	___	N	___	____	D	____	D/27/8/86
401	10:02:01	1	25266	Jan:38	Mar:73	Salmon - Dates of closing fishing Regulations D#2-General	___	N	___	____	D	____	D/27/8/86
402			500508	:19	:23	Various statistical and general information	___	N	___	____	D	____	Memo re: Indian claims to special fishing rights. D/02/9/86
403	11:02:11	1	30156	Jul:33	May:70	Licenses District #2, Licenses General	___	N	___	____	H	____	Commercial fishing by non-Indians on Babine and Taltapin Lake. H/03/9/86
404			500539	Aug:22	Sep:22	Agenda, Fisheries Investigation Prov. of B.C.	___	N	___	____	H	____	H/03/9/86
405			500539	:44	:49	Agenda, Deputy Minister	___	N	___	____	H	____	H/04/9/86
406			500539	:36	:37	Agenda, Deputy Minister	___	N	___	____	H	____	H/04/9/86
407	202	1	4139	Apr:23	Mar:29	Babine Lake General	___	N	___	____	D	____	D/04/9/86
408	253	2	4139	Apr:21	Mar:23	Babine Lake Hatchery - Weekly reports	___	N	___	____	D	____	D/04/9/86
409	60:04:10		20163	Jan:48	Feb:73	Annual Headquarters Reports - "Howay"	___	N	___	____	D	____	D/04/9/86
410			500540	:38	:41	Agenda, Deputy Minister	___	N	___	____	H	____	H/04/9/86
411	09:01:K&L		10299	Apr:18	Mar:23	Obstructions - Fishways and Pollutions	___	N	___	____	D	____	D/04/9/86
412	09:N1:N11		10299	Apr:18	Mar:23	Obstructions - Fishways	___	N	___	____	D	____	D/04/9/86
413			10235	:41	:41	D#2 Weekly Reports of Inspectors	___	N	___	____	H	____	H/04/9/86
414	10:03:31	1	25272	Apr:39	Jun:61	Regulations D#3 Indians	___	N	___	____	H	____	Clayoquot Indians request IFF permit for offshore waters, IFF permit for sockeye in Kennedy Lake. Ahousat request float repairs, stream clearance. H/04/9/86
415	36:1-36:3		10330	May:18	Oct:23	Hair Seals and Sea Lions	___	H	___	____	N	____	H/10/9/86
416	38:1to45:2		10330	:18	:22	Sundry Information	___	N	___	____	H	____	H/10/9/86
417	10:03:01	1	25269	Aug:37	Feb:73	Regulations D#3 General	___	N	___	____	H	____	Clayoquot Ind. request uniform opening dates for fall salmon fishing,Opitsaht Ind. request food fish when comm. seines in area, Bands request taking seals for food, Float at Opitsaht. H/10/9/86

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418	10:05:01	1	10285	Mar:24	Mar:26	Regulations General	___	N	___	____	H	____	H/12/9/86
419	10:05:01	2	10285	Mar:28	Mar:26	Regulations General	___	H	___	____	N	____	H/12/9/86
420	62:02:02	6	10306	Apr:32	Mar:34	General reports - fishing conditions D#2	___	N	___	____	D	____	D/05/9/86
421	39	1	4144	Feb:11	Nov:14	Babine Lake Hatchery correspondence Pt.1	___	N	___	____	D	____	D/05/9/86
422	01:05		PR1-D-4	:20	:20	Native Indians	___	N	___	____	H	____	H/16/9/86
423			PR1-D-7	:32	:72	District Supervisor's Annual Report	___	E	___	____	H	____	IFF stats for Upper Skeena H/16/9/86
424	12:14		PR1-D-4	:19	:60	Indian Food Fish Taken etc.	___	E	___	____	D	____	Exrts-files 26-1,11-2-22,12-14 & 10-2-31 1919-1960's.Reloc trad fish sites (Hgwlgts),corr abt Ktwngs&Ktwncls,Mttktla Ind corr(1919),IFF stats ann,1922 nets&Babine Ind Mrctn fshwy,#vlbl D/16/9/86
425			PR1-D-7	:20	:72	Annual narrative reports Babine-Moricetown Sub-district	___	E	___	____	H	____	Misc. info. re: Indian traditional fishing grounds, info on fluctuating IFF Barricade agreement. Tagging operations re: Babine Indians H/19/9/86
426			PR1-D-7	:29	:45	Nass River spawning grounds reports	___	E	___	____	H	____	Nass River Indians supplement income by bartering oolichan grease with interior natives, misc, info on Kitwancool fishing grounds, H/18/9/86
427			PR1-D-7	:21	:72	Annual Narrative Reports Terrace-Lakelse	___	N	___	____	H	____	Misc. info. on location of IFF and reasons for its fluctuations. Hagwilet fishery transferred to Skeena Indian barricades on Kitwancool and Kitsumkelum H/18/9/86
428	___		HA-D			Indian Fishery - Moricetown	___	E	___	____	D	____	IFF trends, mgmt in Moricetown Canyon, Attempt to introduce dip nets instead of gaffs in Skeena (1950) D/22/9/86
429	01:05:05		HA-D	:29	:59	Indian Fishery Skeena - Hazelton Agency	___	E	___	____	H	____	IFF stats Hagwilget Band 1929-1959 corr re: Hagwilet fishing after DFO removed obstruction in Hagwilet Canyon H/22/9/86
430	5615:02:10:	2:2	TR-D	:48	:75	Indian Food Fishery	___	E	___	____	H	____	IFF stats 1948.DFO find altern. fish. site for Hgwlgt,introduces diff fishing methods. Kitselas request exclus fishing rights.Kitwancool participte tagging programs.Ice fish.Kispiox RH/24/9/86

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431	5170:84		SM-C	:49	:86	IFF - General	___	N	___	____	D	____	Corr re:DFO/Ind confront.Rep.:Fed.Recog.of Indian Fishing Rights in BC(incl.Ft.Fraser Agree. 1911 &Ft.St.James Agree. 1911)Cc hndwrittn agreemts by Stoney Ck/Stella/Pinch/Tacha bands etcD/22/9/86
432	5170:04		SM-C			Babine Band Food Fishery	___	E	___	____	D	____	Babine counting fence and Indians working for DFO. 1926 Indian Claims Report. D/22/9/86
433			PR1-D-6	:20	:37	Indian Food Fishery Annual Statistics	___	E	___	____	H	____	IFF stats for 1930 H/25/9/86
434			PR1-D-8	:32	:73	Annual Narrative Reports - Nass	___	N	___	____	H	____	H/25/9/86
435			PR1-D-8	:32	:71	Annual Reports - General	___	N	___	____	H	____	DFO issues drift-net permits to Kitwanga Band because there are few suitable set-net locations on the reserve. Misc. info. re fishing locations of Moricetown Band. H/25/9/86
436			PR1-D-8	:21	:73	Annual Narrative Reports Grenville-Prencipe Sub-district	___	N	___	____	H	____	H/25/9/86
437			PR1-D-7	:21	:72	Ann Narr Rep Skna Sub-D,incl sprtfsh narr&ann sal spawn summ	___	E	___	____	H	____	IFF stats 1929 misc info re fishing locations at Moricetown, Awillgate Canyon, Int Indians (Moricetown, Kitwanga, Kispiox fish on Skeena & at Greenville, Aiyansh & Kincolith on Nass H/29/9/86
438			SM-D	:26	:47	Spawning areas	___	N	___	____	H	____	DFO issues permits at Moricetwn Canyon 1937. Moricetown Indians abuse trap privilege 1932 H/03/10/86
439			PR1-D-6	:20	:59	Indian food fishing, annual statistics	___	E	___	____	E	____	Skeena R. IFF stats 1929-59 Glen Vowell, Kispiox IFF for steelhead through ice in Kispiox much misc info tre Moricetown, bear Lake, Hagwilget, Kitwanga, Babine Indians also comm. stats H/29/9/86
440	0232:10		PR3-C	:43	:80	Indian food fish catches	___	E	___	____	D	____	Special band licences for bands in Hazelton Area. IFF catch stats ranging 1943 to 1980 (including source of data, # of permits etc.) D/21/9/86
441	01:23		PR3-D	:38	:64	Annual Catch Statistics	___	E	___	____	D	____	Schedule IA's and Schedule II D#2 for file years. IFF stats commercial stats, shipments in and out of D#2 D/21/9/86
442			PR2-D	:27	:27	Weekly pack - Skeena River 1927	___	N	___	____	J	____	Cannery reports itemizing amount of salmon canned, mild cured and/or dry-salted. J/1/10/86
443			SM-D	:28	:47	Spawning areas	___	N	___	____	H	____	H/22/9/86

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444	01:05:05		PR2-D	:30	:61	Indian Food Fish - General (27 Hagwilget Canyon)	___	N	___	____	H	____	Much corr re blasting of rock in Hagwilget Canyon by DFO responses and agreements entered with Hagwilget Indians. H/02/10/86
445	26:03		PR2-D	:57	:60	Hagwilget Indian Band-Problems pertaining to & meetings with	___	E	___	____	J	____	Corr re effects of blasting at Moricetown, salmon food supplies for Hagwilget, locating IFF grounds to replace those lost by Hagwilget Canyon Improvement Project J/2/10/86
446	16:01		SM-D	:23	:66	Annual Spawning Reports to 1955	___	N	___	____	J	____	Excerpts from spawning reports 1948-55 describing trends in IFF (esp Bear Lake Babine River) and enforcement problems. J/6/10/86
447	10:02:01	1	25266	Jan:38	Mar:73	Regulations - D#2 general	___	N	___	____	H	____	H/8/10/86
448	10:01:01	1	25265	Apr:39	May"70	Regulations D#1 general	___	N	___	____	J	____	J10/10/86
449	10:01:15	4	10281	Apr:34	Mar:37	D#1 Regulations general - trout	___	N	___	____	H	____	Upper and Lower Nishga Indians protest closure of Penask LakeH/14/10/86
450	10:01:15	5	10281	Apr:37	Mar:39	D#1 Regulations General - trout	___	N	___	____	H	____	H/14/10/86
451	30:01:04		4125	Apr:32	Mar:41	Spawning areas D#1 Kamloops area	___	N	___	____	H	____	Misc info re fishing locations in Raft R. Mad R., Deadman's Creek. Indian response to DFO regulations. H/14/10/86
452			NW-D-165	Mar:11	Mar:14	Indian Correspondence	___	N	___	____	J	____	IFF regulations and permit eligibility - Fraser Canyon and Hope, supply of nets to Hazelton and Bear Lake, substitution of net fishery for barricades.J/29/10/86 **BOX NO. CHANGED FROM 165 TO 195
453	04:05		NW-D-77	Apr:31	Mar:32	Regulations - Indians	___	E	___	____	JD	____	Supply of nets-Spuzzum, Seabird Is, special permits re supplying fish to schools, hop-pickers IFF closures. J/30/10/86 Shipments of salmon to Hazleton, Moricetown and Smithers reservesD/21/8/86
454	04:05		NW-D-77	Apr:32	Oct:33	Indian Regulations	___	E	___	____	JD	____	Special permits for supplying fish to: schools hop-pickers, construction-D#1 J/10/30/86. Smoked salmon to Indians residing on Nautley and Stella Reserves near Fraser Lake D/21/8/86
455	04:05		NW-D-77	Nov:26	Dec:30	Indian Regulations	___	E	___	____	J	____	Supplying salmon to Indians schools - Lytton and Kamloops , DFO regulation affecting IFF in D#1. J/29/10/86
456			TO-C	:48		Annual narrative reports - herring included	___	N	___	____	D	____	Misc info re stream clearance, logging, sportfishing, IFF locations, industrial development in claim area. General permit info and reactions of Ahousat and Opitsat to DFO regulations D/15/10/86

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
457	5900		TO-C	:24	:86	Salmon Spawning Escapement Records Area 24	___	N	___	____	H	____	Sample documents re Kennedy Lake Hatchery, sportfisning, DFO activities within claim area. H/16/10/86
458	5900:01*		TO-C	:44	:86	Stream Reports - Cypre (Trout) River	___	N	___	____	J	____	Representative correspondence re logging, mining, gravel removal in the area Cypre River Hatchery proposal. J/16/10/86 *(93-4100)
459	5900:10		TO-C	:49	:85	Stream Reports Cold Creek	___	N	___	____	H	____	Logging practices in 1960s ruin main Cold Creek stream for spawning. H/16/10/86
460	5900:10		TO-C	:49	:85	Stream Reports Cold Creek	___	N	___	____	H	____	Sample documents re no logging, stream clearance, fry salvage by DFO. H/16/10/86
461	5900:8		TO-C	:49	:80	Clayoquot Arm	___	N	___	____	J	____	J/16/10/86
462	5900:04		TO-C	:44	:86	Stream Reports: Bedwell (Bear) Creek	___	N	___	____	J	____	Stream report citing effect of heavy logging in the area. J/16/10/86
463	5900		TO-C	:44	:86	Stream Reports Tranquil Creek	___	N	___	____	H	____	Logging locations, IFF along Warn Bay Creek. H/16/10/86
464	5900		TO-C	:44	:86	Stream Reports Tranquil Creek	___	N	___	____	H	____	Logging, road building, mining activities along Tranquil Cr. SEP society works on Cypre, Bear, Tranquil creeks. H/16/10/86
465	5900		TO-C	:44	:85	Stream Reports Tofino (Deer) Creek	___	N	___	____	H	____	H/16/10/86
466	5900		TO-C	:41	:85	Stream Reports: Sutton Mill Creek (Mosquito Hbr. Creek)	___	N	___	____	J	____	J/16/10/86
467	5900:21		TO-C	:44	:86	Indian River (Kootowis Creek)	___	N	___	____	J	____	Report of SEP on Kootowis and Staghorn Creek. J/16/10/86
468	5900		TO-C	:44	:86	Stream Reports: Kennedy River (Lower)	___	N	___	____	J	____	NTC hatchery, sample extracts re tree falling into stream, proposal to drive logs from Kennedy Lake to sea. J/16/10/86
469	31:06:K.1		PA-C	:49	:83	Kennedy River (Upper Elk River)	___	N	___	____	H	____	Misc. info re activities near Upper Kennedy River. H/17/10/86
470	31:06:C.5		PA-C	:39	:83	Clayoquot Sub-District: Cypre (Trout) River	___	N	___	____	J	____	Sample stream reports re: logging in area, correspondence re: gravel removal [see REC #458] J/17/10/86.
471	31:06:K.2		PA-C	:45	:83	Clayoquot Sub-District: KennedyRiver (Lower)	___	N	___	____	J	____	Stream report noting sports fisning, letter and map reL construction of logging bridges. [see REC #468]. J/20/10/86.

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#	FILE #	VOL	BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
502			PSC	:41		Indian Fishery - Seton/Anderson	___	E	___	____	D	____	History Files: Table of 1941 catch data D/02/03/87
503			PSC	:41		Indian Fishery B.R.R. (SRK)	___	E	___	____	D	____	History Files: Copied exerpts from report D/02/03/87
504			PSC	:44		Instructions for Collection of Ind Fishery Stats-G.V. Howard	___	E	___	____	D	____	History Files: copied report (as titled) D/02/03/87
505	40:05:09:01	3	500507	Sep:48	Mar:50	Statistics General - Salmon General Vol 3(39)	E	N	R	S	S	S	Correspondence re salmon stats, mostly canned pack weekly stats S/17/03/87
506	12:14B		PR2-D	:60	:65	Bulkley-Morice Indian Food Fishery	___	E	___	____	J	____	Correspondence, minutes and reports re Moricetown Falls Indian food fishery including new fishing sites, use of dipnets, permits, closures, and pre-1951 catch data J/03/10/86
507	01:05		NW-D-46	Feb:77	Jun:80	IFF 78-80	___	E	___	____	J	____	Request to sell IFF - caught salmon at bar-b-q. Discussion IFF closures for early Stuart run. Includes pre-1951 catch info J/31/10/86
508			DMF	:1872	:1950	Department of Marine and Fisheries, Annual Reports	E	E	E	SM	SM	SM	Annual statistics: commercial production and land weight of salmon, IFF statistics for various years from 1929 to 1950. SM/01-31/01-12/85-88
509			PSC	:42	:50	International Pacific Salmon Fisheries Commission, Ann.Reps.	E	E	E	SM	SM	SM	Annual reports of Commission activities and catch by commercial and Indian food fisheries, 1941-1949. IFF catch by location in the Fraser River drainage. SM/01-31/01-12/85-88
510			SM-D	:28	:85	Miscellaneous Tables	___	E	___	____	D	____	Miscellaneous tables of IFF catch for babine Lake, moricetown, Bulkley River and Bear Lake assembled by T.Turnbull (Fishery Officer, Smithers) D/22/09/86
511													

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#	FILE #	VOL BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
488		PSC	:00	:20	Indian Fishery-Summary Ind Fish Stuart L. & Nechacko Region	___	E	___	____	D	____	History Files: Report "Indian Fishery - Summary of the Indian fishery in Stuart Lake and Nechako Regions" D/02/03/87
489		PSC	:12	:39	Indian Fishery-Summ Ind Fish Pemberton & Lillooet R. Regions	___	E	___	____	D	____	History Files: IFF stats 1912-1937 (not all years) of Lillooet District Report (same as file title) contains # of hatchery fish given to Indians & estimates of # of fish per family D/02/03/87
490	2	PSC	:11	:41	Indian Fishery	___	E	___	____	D	____	History Files: Permit information-1929-33 #'s of fish given to Indians from Pemberton Hatchery IFF stats 1929-31 Fraser Watershed petitions D/03/03/87
491	3	PSC	:19	:32	Indian Fishery	___	E	___	____	D	____	History Files: Stats methods of curing D/02/03/87
492	4	PSC	:38	:39	Indian Fishery	___	E	___	____	D	____	History Files: Population estimates of Indians in Babine Agency (1938) and Lytton Agency (1939) and other 1939 estimates on Fraser River D/02/03/87
493	5	PSC	:38	:40	Indian Fishery	___	E	___	____	D	____	History Files: IFF stats D/02/03/87
494		PSC	:39	:40	Indian Catch Summaries	___	E	___	____	D	____	History Files: Summary tables, all spp (copied whole file) D/02/03/87
495		PSC	:39		Summary of Indian Catch on the Fraser River	___	E	___	____	D	____	History Files: Tables (copied whole file) D/02/03/87
496		PSC	:02	:37	Summary Sockeye Runs to Birkenhead R Effect of Indians.....	___	E	___	____	D	____	History Files: tables (copied whole file) D/02/03/87
497		PSC	:41	:44	Sock catch Stats Ind Fishery Fraser R Watershed (G.V.Howard)	___	E	___	____	D	____	History Files: Copied whole report (discusses how stats were collected) D/02/03/87
498		PSC	:41		Note on the History of the Indian Fishery (all dists. CEA)	___	E	___	____	D	____	History Files: Copied whole report D/02/03/87
499		PSC	:40		Indian Fishery Chilcotin River CEA	___	E	___	____	D	____	History Files: Sockeye and spring catch data D/02/03/87
500		PSC	:41	:43	Indian Fishery Data: A.D. Welander	___	E	___	____	D	____	History Files: copied data and general information from reports D/02/03/87
501		PSC	:41		Ind Fishery Notes(Lower Fraser to beyond Lytton) A. Welander	___	E	___	____	D	____	History Files: Statistical table (catch by spp) D/02/03/87

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#	FILE #	VOL BOX #	BEG	END	FILENAME	C	I	F	C	I	F	COMMENTS
472	5900:26	TO-C	:49	:86	Kennedy River (Upper Elk)	___	N	___	____	H	____	SEP on Upper and Lower Kennedy River. Misc. info re logging activities on river. H/20/10/86
473	31:06:C.4	PA-C	:49	:83	Clayoquot Sub-District Cold Creek	___	N	___	____	H	____	Misc. information re logging near Cold Creek. H/20/10/86.
474		PA-C	:47	:84	Clayoquot Sub-District: Annual Area Histories	___	E	___	____	J	____	Excerpts from area histories describing IFF, sports fishing, commercial fishing, logging and other activities in the area. J/20/10/86
475		PA-C	:47	:84	Clayoquot Sub-District: Annual Narratives	___	N	___	____	J	____	Extracts describing IFF, water, enforcement, logging and other miscellaneous activities. J/20/10/86
476		499338	:39	:41	Correspondence regional Supervisor 1939, 1940, 1941	___	N	___	____	J	____	Letters re: Indian fur seal skin sales. (Dist. #1). J/21/10/86
477		499338	:39	:45	Correspondence Chief Supervisor 1939, 1945	___	E	___	____	J	____	Pelagic sealing operations by Indians (Dist. #3). J/21/10/86.
478	31:06	499336	:31	:37	General A-Z Reports on Streams, 1937, Clayoquot Sub-District	___	E	___	____	J	____	Stream clearance for Elk River Tributary, Trout River, Clayoquot River. J/23/10/86
479		499338	:41	:45	Salmon Spawn Reports	___	N	___	____	H	____	H/23/10/86
480		499342	:47	:51	Inspector Weekly Reports - McIndoe	___	N	___	____	H	____	H/23/10/86
481	01:05	499400	:40	:69	Native Indians	___	E	___	____	J	____	Native Brotherhood circular and letters re: Indian permits and West Coast of Vancouver Island IFF. J/23/10/86
482		499388*	:39	:52	Various Ancient Files	R	N	___	H	H	____	*BOX 499388 was given a REC # because it containscommercial statistics. H/27/10/86
483	05:02	NW-D-172	Apr:18	Jul:20	Indians	___	N	___	____	H	____	Much misc. info re Band fishing locations in claim area under permit. H/29/10/86
484		NW-D-79	:18	:20	Indians General	___	N	___	____	H	____	DFO supplies net to Chief of Chehalis Indians. H/29/10/86
485	04:05	NW-D-77	Sep:18	Sep:26	Regulations Indians	___	N	___	____	H	____	Much misc info re fishing locations of Fraser and Thompson River bands, protests from Indians re DFO closures to Fraser River. H/30/10/86
486	5615:09(1)	46:Bay2 2129	:33	:63	Indians - general 1951 - 1963	___	E	___	____	J	____	IFF catch statistics 1951. J/31/10/86. *This is an FRC box.
487		PSC	:27	:33	Indian Fishery - all areas	___	E	___	____	D	____	History Files: stats 1930 (no indication of who compiled the numbers) D/02/03/87

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APPENDIX B

DATA SOURCES WITH EXAMPLES OF COMMERCIAL PRODUCT/HARVEST STATISTICS, FORMS AND SCHEDULES

TABLE OF CONTENTS FOR APPENDIX B

Page

1. INTRODUCTION 253
2. RECORDS FROM FUR TRADING COMPANIES, 1828-1859 253
3. RECORDS FROM THE COLONIAL ERA, 1860-1870 253
4. THE EARLY DOMINION ERA, 1871-1876 254
5. CUSTOMS REPORTS, 1871-1876 255
6. DOMINION REPORTS, 1877-1900 255
7. DOMINION REPORTS, 1901-1916 256
8. DOMINION REPORTS, 1917-1950 257
9. DOMINION REPORTING FORMS, 1923-1950 258
    9.1 Transfers 258
    9.2 Species Breakdowns 259
    9.3 Monthly and Weekly Statistics 259
    9.4 Numbers Landed 259
10. PROVINCIAL GOVERNMENT REPORTS 260
11. PACIFIC FISHERMAN YEARBOOKS 261
12. POST 1950 DATA 261
13. SUMMARY TABLE 261

LIST OF APPENDIX B TABLES

Table Page

B1. Extract from the Bluebook of Statistics for the Colony of British Columbia for 1861 listing the "Return of the Manufactures, Mines, and Fisheries". 262

B2. Extract from the Bluebook of Statistics for the Colony of British Columbia for 1861 listing the quantities and values of exports. 264

B3. Extract from Appendix 21 (Report of the Inspector of Fisheries for British Columbia for the year of 1876) to the Ninth Annual Report of the Department of Marine and Fisheries for the Fiscal Year ended 30th June, 1876, listing production and export statistics for the year. 265

B4. Extract from No. 6 of the Tables of the Trade and Navigation of the Dominion of Canada for the Year Ending 30th June, 1872. 266

B5. Appendix 18 to the Tenth Annual Report of the Department of Marine and Fisheries for the Year ended June 30, 1877 comprising tables associated with Appendix 17 (Report of the Inspector of Fisheries for British Columbia for the Year 1877) showing numbers and values of fishing vessels and gear and quantities and values of fisheries production. 267

B6. "Recapitulation Table" from Appendix 18 to the Tenth Annual Report of the Department of Marine and Fisheries for the Year ended June 30, 1877 summarizing fisheries production data and listing exports for the 1877 season. 268

B7. Extract from Appendix 8 (Annual Report of the Fisheries of British Columbia for the year 1888, by Mr. Thomas Mowat, Inspector) to the Annual Report of the Department of Marine and Fisheries for the Year 1888 showing numbers and values of fishing vessels and gear and quantities and values of fisheries production by area. 269

B8. Extract from Appendix to the Annual Report of the Department of Marine and Fisheries for the Year 1888 showing salmon packs by cannery for 1876-1888. 270

B9. Extract from Appendix 10 (Annual Report of the Fisheries of British Columbia for the year 1902, by Inspector C.B. Sword) to the Annual Report of the Department of Marine and Fisheries for the Year 1902 showing the canned pack of different salmon species, by cannery. 271

B10. Extract from Appendix 12 to the Forty-fourth Annual Report of the Department of Marine and Fisheries (1910-1911) including green landed weight by area. 272

B11. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1917, showing quantities of fish landed and marketed and the "Agencies of Production". 273

B12. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1919, showing quantities of fish landed and marketed. 275

B13. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1928, showing quantities of fish landed and marketed. 276

B14. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1930, showing quantities of fish landed and marketed. 277

B15. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1946, showing quantities of fish landed and marketed. 278

B16. Extract from the Dominion Bureau of Statistics, Fisheries Statistics of Canada for 1949 and 1950 showing quantities of fish landed and marketed in British Columbia. 279

B17. Extract from the Dominion Bureau of Statistics, Fisheries Statistics of Canada for 1949 and 1950 showing the pack of canned salmon in various areas within British Columbia. 281

B18. Extract from the Annual Report of the Fisheries Branch of the Department of Marine and Fisheries for 1927-1928 showing the pack of canned salmon by species for Rivers and Smiths Inlets from 1881 to 1927.282 282

B19. Extract from the Annual Report of the Fisheries Branch of the Department of Marine and Fisheries for 1927-1928 showing estimated catches of salmon in numbers by gear for 1920 to 1927. 283

B20. Extract from the Annual Report of the Fisheries Branch of the Department of Marine and Fisheries for 1927-1928 showing estimated catches of salmon in numbers by area by purse seines. 284

B21. Schedule 1A - Sea Fish caught and landed - Vessels, boats, gear, etc. Form in use in 1923. 285

B22. Schedule II - Sea Fish and Fish Products Marketed. Form in use in 1923.287. 287

B23. Supplemental Schedule (printed form) in use in 1923 289

B24. Supplemental Schedule (mimeographed form) in use in 1923. 291

B25. Schedule 1A - Sea Fish Caught and Landed. Form in use in 1934. 293

B26. Schedule 1C - Vessels, Boats, Gear, Etc., and Persons Engaged in the Industry. Form in use in 1934. 295

B27. Schedule II - Sea Fish and Fish Products Marketed. Form in use in 1934.296 296

B28. Supplemental Schedule (mimeographed form) in use in 1934 300

B29. Schedule 1A - Sea Fish Caught and Landed - Pacific Coast. Form in use in 1946. 304

B30. Schedule II - Sea Fish and Fish Products Processed and Marketed. Form in use in 1946. 306

B31. Supplemental Schedule - Pacific Coast. Printed form in use in 1946. 310

B32. Appendix to the mimeographed Supplemental Schedule in use in 1947 to record the area of catch of canned salmon that was processed at each establishment 312

B33. Appendix to the mimeographed Supplemental Schedule in use in 1947 to record the landed weight of salmon by area of catch. Landed weights were to be taken from the left hand column of the Supplemental Schedule in Table B31. 312

B34. Form used in 1918 by The Holder of a Drag or Purse Seine License to record the numbers of salmon harvested. 314

B35. Form used in 1918 by The Holder of a Trolling License to record the numbers of salmon harvested 315

B36. Form used in 1918 by The Holder of a Trap Net License to record the numbers of salmon harvested 316

B37. Statement showing the quantity of salmon purchased by a cold storage facility in 1918. 317

B38a. Statement showing the number of salmon caught by purse seine in the Nass River area to September 15 in 1918. 318

B38b Statement used by fishing establishments to report numbers of salmon and steelhead landings by gear type and month in 1937. 319

B39. Correspondence suggesting that catch information on forms completed by holders of fishing licenses was used by "Revenue Collectors". 320

B40. Pack of British Columbia Salmon, Season 1920 from the Report of the Fisheries Commissioner for British Columbia for the Year Ending December 31, 1920. 321

B41. British Columbia Salmon Pack, 1908 (Cases) District No. 2 from the Forty-Second Annual Report of the Department of Marine and Fisheries, 1908-9. 322

B42. Pack of Canned Salmon on the Skeena River - 1876 to 1927 from the Sixty-First Annual Report of the Fisheries Branch of the Department of Marine and Fisheries, 1927-28. 323

B43. British Columbia Salmon Pack - 1924 from the Pacific Fisherman Yearbook for 1924. 324

B44. Examples of sales slip forms used by fishermen and buyers in 1983 to record sales of salmon. 326

B45. Salmon Landings by Week, Species, and Gear in Numbers of Fish for Area 4, from the DFO report British Columbia Catch Statistics, By Species, Gear, Month and Area for 1985. 327

B46. Salmon Landings by Species, Gear and Month in Tonnes for Area 4, from the DFO report British Columbia Catch Statistics by Species, Gear, Month and Area for 1985. 328

B47. 1959 - Revised Catch Statistics by Area - Accumulated Landings for Area 4, from the Department of Fisheries report British Columbia Catch Statistics by Area and Type of Gear (as reported on sales slips received by the Department). 329

B48. Area 4 weekly salmon catch in pieces and pounds (troll dressed) by gear and species for the September statistical period, from the Department of Fisheries report British Columbia Catch Statistics, By Area and Type of Gear (as reported on sales slips received by the Department) September 1959. 330

B49. Summary Showing Numbers of Salmon Caught in 1959 by Area, from the Department of Fisheries report British Columbia Catch Statistics by Area and Type of Gear (As Reported on Sales Slips Received by the Department). 331

B50. Summary of Appendix B tables (forms) that were sources for primary, supplementary and miscellaneous data for time periods referred to in this appendix. 332

DATA SOURCES WITH EXAMPLES OF COMMERCIAL PRODUCT/HARVEST STATISTICS, FORMS AND SCHEDULES

1. INTRODUCTION

The assembly of data on landings of salmon by year, area and species would seem to present a fairly straightforward task. However, because of great variations in the nature and completeness of reporting, such was not the case. The purpose of this Appendix is to discuss the nature of the data that were available, and to present examples of forms and raw data referred to in the text (for confidentiality reasons the company names have been removed). Table B50 at the end of the Appendix summarises which tables were sources for primary data, supplementary/summary data and miscellaneous data.

2. RECORDS FROM FUR TRADING COMPANIES, 1828-1859

Commercial trade in salmon in what is now British Columbia began in the early 1830s when the Hudson's Bay Company initiated a pickling operation producing salted salmon for overseas trade, particularly to Hawaii. Cullen (1979) prepared an excellent monograph on the history of the Hudson's Bay Company operations at Fort Langley on the lower reaches of the Fraser River. Cullen's paper provides a relatively complete account of the quantities of salmon pickled and transported for trade. Shepard and Argue (1989) used Cullen's compilation, buttressed by other Hudson's Bay records to develop estimates of salmon production by the Company from 1828 through 1871. These were our data sources for this period.

3. RECORDS FROM THE COLONIAL ERA, 1860-1870

Shepard and Argue (1989) summarised fragmentary information on the activities of the first non-Hudson's Bay Company entrepreneurs who took over the pickled salmon trade from the Company in the late 1860s and started the canning industry in the early 1870s.

They based their accounts on official colonial records and a few papers by historians. Prior to 1866, what is now British Columbia was divided into two colonies, Vancouver Island and the mainland colony of British Columbia. The colonies were formed when the Hudson's Bay Company relinquished exclusive rights for trade with Aboriginals in the respective areas - Vancouver Island in 1851 and mainland British Columbia in 1858.

Records of economic life in the colonies were maintained in annual reports prepared by colonial officials for submission to London. The annual colonial reports (referred to as "Bluebooks") were hand-written accounts made out on forms presumably prescribed by the British Government. Microfilm copies of Bluebooks for the Colony of British Columbia are available from 1860 through 1870, and for the colony of Vancouver Island from 1863 through 1865, at the Archives of British Columbia in Victoria. The Bluebooks contained a section for statistics on "Manufactures, Mines and Fishing". For fisheries, columns were provided for numbers of boats and ships employed, and quantities and values of fish caught (Table B1). Most of the entries in the table, however, were limited to general narrative accounts without any quantitative data. Only the report for 1861 contained any assessment of the magnitude of production, noting that six boats were fishing and that "1,085 barrels of Salmon of 200 lbs. each cured and 420 barrels of Sturgeon, 200 lbs. each" had been processed.

Whereas for the most part the Bluebooks lack quantitative data on catches, they do contain annual records of the exported quantities and values of commodities, including fish, and, for some years, specifically salmon. The entries (Table B2) are quite rudimentary but, nevertheless, since the salmon trade was developed mainly to meet export market needs (Lyons 1979), they provide useful measures of the relative volumes of commercial production in the early days.

The development of canning techniques provided the main impetus to rapid expansion of the salmon industry during the final three decades of the Nineteenth Century. Commercial canning began in 1870 in "British Columbia". However the event was poorly documented and the only quantitative record the authors could find was in Cicely Lyons' 1969 book on the history of the salmon industry cited earlier. Ms. Lyons simply noted that, in 1870 "... Alexander Loggie & Company was able to export to England three hundred cases of one-pound squats."

4. THE EARLY DOMINION ERA, 1871-1876

By the end of fiscal year 1871-1872, the Department of Marine and Fisheries (DMF)[1] was five years old. Its fifth Annual Report, for the year ending June 30, 1872, provided the Department's first coverage of the fisheries of the newly-founded Province of British Columbia. This first account consisted mainly of an extract from an official report on British Columbia by the Minister of Public Works, the Hon. H.L. Langevin. Mr. Langevin concluded that,

> *... there are really only two large fishing establishments; one a salmon fishery, under the management of Captain Stamp, who for the first time, exports salmon in tin boxes; the other a whale fishery in the Gulf of Georgia.* The brief section of his report on the salmon fishery concludes with the sanguine statement that: *There would appear to be no limit to the catch of salmon.*

The DMF appointed an agent in Victoria in time for the 1873 salmon season. His first report, for the fiscal year ending June 30, 1873, actually covered the entire 1873 salmon season. The account contained quantitative data on the volume of salmon processed noting that some 195 tons of canned salmon and 4,000 barrels of pickled salmon had been exported (Shepard and Argue 1989).

The Agent's Annual Report for 1874 provided similar information.

There were no quantitative records of production for 1875; reporting on catches during that season apparently had been overlooked. Sometime during the year the decision was taken to extend the provisions of the Dominion Fisheries Act to the British Columbia fisheries and to appoint a Dominion Inspector of Fisheries. The man chosen was Alexander Caulfield Anderson, a famous Hudson's Bay Company trader and explorer.[2] His first report as Inspector (for 1876), though in narrative form, was quite detailed including production of canned and pickled salmon and exports thereof (Table B3).

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[1] The Fisheries Branch of the Department of the Naval Service took over responsibility for fisheries from the Department of Marine and Fisheries during the war years, 1914-1918. Two years after the war, the Fisheries Branch reverted to a reconstituted Department of Marine and Fisheries. Then, in 1930, a separate Department of Fisheries (Anonymous 1930-1950) was formed. It continued through 1968 when the Department of Fisheries and Forestry was created. In the present report the abbreviation DMF is used to denote the Department of Fisheries and all its predecessors prior to 1951.

5. CUSTOMS REPORTS, 1871-1876

Supplementary to the early catch reports described above, Dominion reports for the 1870s include records of the quantities of fisheries products exported from the Province. The data are contained in Dominion reports entitled "Tables of the Trade and Navigation of the Dominion of Canada". The first table covering British Columbia was for the year ending June 30, 1872, listing exports of products that presumably had been harvested during the 1871 season. This table contained entries for exports of barrelled and boxed salmon to New South Wales (Australia), New Zealand, Victoria (presumably in Australia), the Sandwich Islands (Hawaii) and the United Kingdom. Entries for 1872 and succeeding years (Table B4) included entries for canned salmon. Shepard and Argue (1989) examined data covering exports from catches made in the 1872 through 1877 seasons in order to supplement the rather scanty production data for the early Dominion period. Records of exports for years following 1877 were not examined because more comprehensive records of commercial production were available from other sources.

6. DOMINION REPORTS, 1877-1900

Records for the 1877 season, contained in the 1877 DMF Annual Report, were the first for which data on fisheries production in British Columbia were presented in tabular form, in formats that had been used for other Provinces in previous years.

Tabular material in the report included a "Return showing the Kinds, Quantities, and Value of Fish &c. in the Province of British Columbia in the Year 1877" (lower panel of Table B5), which included quantities by location ("Station") of salmon cured, canned and smoked commercially and an estimate of the total quantity of all fish (i.e. not only salmon) used for home consumption. The reports also included a "Recapitulation Table" (Table B6) summarising total production by product and listing the quantity and value of fish exported ("as per Customs Return"). A "Return showing the Number and Value of Vessels, Boats, Nets, &c. in the Province of British Columbia" (Table B5, upper panel) was also included.

The Annual Report for 1878 had a format similar to that for 1877. The Recapitulation Table, however, listed the numbers of canneries and other types of fish processing establishments operating within the Province, but dropped the information on volume and value of exports.

The format for the 1879 Annual Report was similar to that for 1878, but, as discussed in Section 1.2.1 of the main text, also provided estimates of the numbers (and computed value) of salmon consumed by Aboriginals in the Province. The same basic format was followed in the Annual Reports for 1880-1887. The information on the value of Aboriginal catches presented in the 1879 report was repeated, unchanged, in the Annual Reports for 1880 to1884. New figures for the value of Aboriginal catches were presented in the Annual Report for 1885. Aboriginal catches were downgraded to a value of $2,732,500 from a value of $4,375,000 based on the assessment that,

---

[2] Anderson conducted the explorations which led to establishment of commercial trading and supply routes connecting the British Columbia interior with the lower mainland. He held his position as Inspector of Fisheries until his death at the age of 70 in 1884.

> *... the tribes living in the neighbourhood of towns and settlers comparatively live on the same eatables as the white population, in place of a total dependence on fish for food*

This estimate was repeated unchanged in the Annual Reports for 1886 through 1890.

In the 1887 Annual Report, the entries by enterprise in the "Kinds and Quantities" table were grouped under area headings as follows:

1) Fraser River
2) Skeena River
3) Rivers Inlet
4) Nass River
5) Alert Bay
6) Uncategorised other locations

Information on vessels and gear was organised in a similar manner. The same report presented a summary table listing the canned salmon pack on the Fraser River from 1876 through 1887.

In the 1888 Annual Report, the format of the table incorporating production data changed markedly. Entries by enterprise were dropped and information on production and on vessels and gear was summarised for each of 13 different areas (Table B7). The report contained a list of canneries operating in the Province along with the aggregate number of cases packed by each in 1888 and preceding years back to 1876 (Table B8). The "Recapitulation Table" of earlier years was maintained more or less in its original format, and included an estimate of fish (not only salmon) utilised for home consumption throughout the Province.

Tables in Annual Reports for 1889 through 1899 were similar to those in the 1888 Annual Report, but the areas for which data were summarised varied somewhat. The text of the Annual Reports for 1899 and 1900 contained, for the first time, information on the species composition of the canned salmon pack for the Province as a whole, and narrative accounts of the species compositions for some areas (e.g. 12,267 cases of pink salmon packed in the Fraser River District in 1900).

7. DOMINION REPORTS, 1901-1916

The Annual Reports for 1901 through 1903 contain tables (Table B9) on numbers, tonnage and values of fishing vessels and gear, and on fisheries products, similar to tables that had been produced in earlier reports. In addition, the reports for these years included the first tables breaking down the packs of each cannery by species (Table B9)

Reflecting a fundamental change in fisheries administration, the DMF report for 1904 provided data similar to that presented in 1901-1903, but broken down into three Districts (Figure 1, main text). District I included the Fraser River, Howe Sound and Vancouver Harbour; District II took in the coast northward from Cape Caution; and District III encompassed the remainder of the coast. That format was retained through to the 1950 Dominion Bureau of Statistics (DBS) report.

The form of statistical reporting changed on a Canada-wide basis in 1910, when attempts were made to provide separate records of the landed weight and value of fish caught, as well as the quantity and value of fish marketed (i.e. the canned pack and products other than canned salmon). The tables for each of the Districts (Table B10 for District I) recorded the "Total Quantity Caught and Landed in a Green State" separately from the "Total Quantity Marketed". Some detailed statistics, for example packs by species for individual canneries, were dropped at this time.

8. DOMINION REPORTS, 1917-1950

DBS took over the publication of fisheries statistics in 1917, although the Fisheries Branch of the Department of the Naval Service retained responsibility for collection of the basic data in the field. The contents of the DBS tabulations of production data and of the numbers of vessels and fishermen involved in the fishery (Table B11) were similar to those contained in earlier DMF reports.

In 1917, DBS reported fisheries statistics for 16 British Columbia areas (Table B11), some of which were described in more detail in subsequent reports (Table B12). The number of reporting areas remained essentially unchanged until 1928. In 1928, statistics were reported for 33 areas (Table B13) and in 1929 statistics for 34 areas. The new areas were subdivisions of the original 16 areas. In 1930, the number of areas was reduced to 23 (Table B14), probably because Dominion bookkeepers had difficulty separating statistics for 34 areas. The 23 areas established in 1930 continued to be used for statistical purposes through 1946 (Table B15).[3] From 1947 through 1950, the published DBS statistics were much less detailed than those of earlier years, only providing production data for the Province as a whole (Table B16). However, data on the canned pack were still provided by species and area (Table B17).

For a few years following the transfer of statistical reporting responsibility to DBS in 1917, the Annual Reports of DMF contained no statistical material. In the 1920s, however, statistical material was gradually reintroduced, particularly with respect to canned salmon. For example, the Annual Report for 1927-28 contained historical data on salmon packs for all of British Columbia, and separately for the Nass River, Skeena River, Rivers and Smith Inlets and the Fraser River (Table B18 for Rivers and Smith Inlets). The 1927-28 Annual Report also contained the first data on numbers of salmon caught, listing the total British Columbia catch by species (bluebacks are small coho) and gear for 1920 to 1927 (Table B19); these data were reported annually thereafter. In 1930, a separate table was included with information on the numbers of seine caught salmon, by species and area (Table B20). Reporting was continued at this level until 1948. DMF reports from 1949 onward contained little relevant statistical material.

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[3] Appendix C lists the place names under which fisheries statistics were recorded between 1876 and 1950 in DMF and DBS reports, and in archive files.

9. DOMINION REPORTING FORMS, 1923-1950

As discussed in more detail in Appendices D through F, the published DBS statistics were derived mainly from data provided by fish processors and Fishery Officers on forms prescribed by the government. It is not known exactly when the statistical forms covering production by individual processing establishments came into use since available departmental file material prior to 1923 is very sparse. It is likely, however, that the forms were developed around 1917 when the Dominion Bureau of Statistics took over responsibility for publication of government fisheries statistics, or possibly as early as 1910 when there was a Canada-wide change in DMF reporting procedures.

Our analyses concentrated on the more or less complete records in DFO files for 1923 through 1950. These files were retained at the Public Archives of Canada, Federal Records Centre in Burnaby, British Columbia and at DFO offices in Vancouver, New Westminster, Nanaimo and Prince Rupert. Appendix A describes the list of files that were examined for historical salmon and steelhead statistics.

There were two basic summary forms in use in British Columbia in 1923. The first was "Schedule 1A" (Table B21) that for each area provided data on "Total quantities and values of fish caught and landed in a fresh or green state ...". It will be noted that at this time the form provided only for total landings of salmon, with no species breakdown. The form also provided information on the number, tonnage and value of fishing vessels and gear operating in the area. The second summary form was "Schedule II", representing a compilation of data on the quantities of "SEA FISH AND FISH PRODUCTS MARKETED" "... for consumption fresh by fishermen, fresh fish buyers, and all other persons except those manufacturers from whom Supplemental Schedules are collected." (Table B22). This form provided spaces for different types of salmon products prepared by individual fishermen, but again there was no provision for a breakdown of the species of salmon processed. Product weights on Schedule IIs were converted by bookkeepers of that time, using industry-standard conversion factors, to landed weights for inclusion with the landed weights reported on Schedule 1As.

Most of the data for Schedule 1A were provided by companies, which were required to complete "Supplemental Schedules" for each establishment (Table B23) listing the quantities of each type of product prepared. In British Columbia, the formal printed form, which did not provide for any breakdown in salmon species composition, was supplemented by a mimeographed form that required provision of detailed species composition data for each product and the canned pack (Table B24). From correspondence on file, it would appear that the printed forms usually were completed by Fishery Officers using information on the mimeographed forms supplied by companies.

9.1 Transfers

By 1933, Schedule 1A had been reduced in size (Table B25) by excluding the fishing vessel and gear information, which was now included on Schedule 1C (Table B26). Schedule II had been enlarged to include more products (Table B27) as had the mimeographed Supplemental Schedule (Table B28). While the basic statistics had not changed, there was one new item. Companies now had to provide information on the mimeographed Supplemental Schedules on the amounts of unprocessed salmon that were transferred between areas. This information was used by DMF to ensure that landed weights reported on Schedule 1A were accurate measures of landings in an area.

Forms of these types continued in use, essentially unchanged, until 1945.

9.2 Species Breakdowns

In 1945, Schedule 1A and Schedule II were expanded to include salmon species breakdowns, including separate entries for chinook of different flesh colours (red, pink and white springs), and for small chinook and coho of different sizes (e.g. "jack" spring – chinook 5 lb, and "bluebacks"– coho 3 lb) (Tables B29 and B30). The Supplemental Schedules were also revised at this time to provide for more species breakdowns (Table B31). In addition, there were appendix forms for data on the area of catch of canned product (Table B32) and of total estimated Green Landed Weight (GLW) (Table B33).

9.3 Monthly and Weekly Statistics

The foregoing account described the principal forms used to develop the published annual fisheries statistics. There were many other subsidiary forms used from time to time to collate annual information, and there was an extensive series of forms to record production on a weekly and monthly basis. These included a weekly canned salmon pack report (used to prepare a weekly canned salmon pack bulletin), a monthly statement showing the numbers of each species of salmon caught by type of gear, a monthly return showing numbers of salmon caught by purse seine operations, and a monthly return showing the total weight of the catch of each species.

Whereas most of the annual Schedule 1A, Schedule II and Supplemental Schedule material has been well preserved in the archive files for 1923 to 1950, the monthly and weekly material and information on the numbers of fish caught is available only for some years and some areas. Since the present report is limited to annual statistics, no attempt has been made to describe in detail the forms providing data for finer time periods. The reader is referred to Professor Burton's review of Department statistics for further discussion of the forms and statistical procedures in use during the late 1940s, and their limited usefulness on finer than annual time scales (Burton 1949).

9.4 Numbers Landed

Recovery of data on numbers of salmon in the catch posed major difficulties for the authors. The table containing numerical data in each DMF Annual Report from 1927 through 1947 was captioned "Statement of Numbers of Different Species of Salmon and Methods of Capture reported by Operators of Salmon Purse-Seines, Drag-Nets, and Trap-Nets and by Salmon Canning, Curing, and Cold Storage Establishments, of Gill-Net and Troll Caught Fish, British Columbia" (Table B19). As by this time there were over 8,000 licensed salmon vessels and in some years over 80 processing facilities, we expected to find great volumes of forms with numerical catch data from vessel "Operators" and fishing "Establishments". It followed that there should also be large amounts of correspondence on and compilations of the numerical data, much as we found for the archive records of product, canned pack and landed weight statistics. This was not the case.

Some numerical data of the type described above were in the Ottawa-based DMF files for 1918. Thereafter, however, only occasional files with such numerical catch data were uncovered. The 1918 data included forms "FOR THE HOLDER OF A DRAG OR PURSE SEINE LICENSE" to record the numbers of salmon and steelhead caught during the year (Table B34), forms submitted annually by troll vessel license holders showing numbers caught (Table B35), tables of daily trap catches (Table B36), presumably submitted by the trap owner, and statements showing quantities of salmon purchased each month by cold storage facilities (Table B37). There were also summary tables showing numbers of each species caught to a particular date in an area by purse seines (Table B38a) and showing monthly catches by gear type for an establishment (Table B38b). Perusal of the 1918 file showed that the forms were not standardised between areas, and for some areas, only summarised information was provided by Fisheries Officers. Nevertheless, we surmise that forms such as those noted must have formed the basis for numerical catch data that were reported by DMF starting in 1920.[4] These data, collected on forms and by methods that differed substantially from those used to record commercial production, constitute an independent source of commercial harvest estimates, and thus could be important for comparison with commercial production data for each area. In addition, use of such data in conjunction with weight data from the Schedules could provide a further 30 years of information on average sizes of salmon for comparison with analyses of average size for the post-1950 period (Ricker 1981, 1995). The problem is that these data have not yet been found in sufficient numbers and consistency over time to conduct such analyses.

Failure to find large volumes of records of catches-in-numbers was surprising, particularly as net-caught salmon were bought by the piece prior to 1944, according to Killick and Clemens (1963). The fact that the primary purpose for collecting fishery statistics prior to 1950 was economic, rather than biological, may have contributed to the failure to preserve numerical data. It is also possible that the numerical data were used for taxation or revenue collection purposes during some part of the pre-1950 period. A letter reproduced from the 1918 file (Table B39) suggests this to be the case (see paragraph one in the letter). If true, then numerical data from individual vessel and trap license holders, as well as correspondence and tabulations of these data, may still be available, but not in the archive records of the DMF. Preliminary attempts to locate such records in archived files of the Department of National Revenue were not successful. We can only hope that further searches of archive material will uncover the fate of these statistics. In the meantime, it is clear that data on numbers of salmon were not used to any extent to prepare annual compilations of product, canned pack and landed weight statistics that are the principal data sources for the present report.

10. PROVINCIAL GOVERNMENT REPORTS

The Province of British Columbia appointed a Fisheries Commissioner in 1901 and the Commissioner's Annual Reports, beginning in 1901, contained some fisheries statistics. For the most part these statistics were identical to those contained in Dominion Reports. An useful exception was the tables of canned pack, by establishment, species and area

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[4] One such form, from the 1938 file for District III (Table B38), was used by establishments to record monthly landings in "pieces", by species and gear type. Very few of these forms were found in the FRC archives.

(Table B40) that were first published in 1902. Until 1909, DMF reported similar canned pack data for each establishment and area (Table B41); but from 1910 onward DMF only presented canned pack data for major fishing areas (Table B42), and from 1904 to 1909 DMF data were not as detailed as that in the annual Fisheries Commissioner of British Columbia (FCBC) reports. For this reason we used FCBC data between 1904 and 1929 to establish species composition of the canned pack (see Appendix E for our methods to estimate species compositions).

11. PACIFIC FISHERMAN YEARBOOKS

The Pacific Fisherman was an industry periodical that featured news and statistics on all aspects of commercial fishing on the Pacific Coast of the United States and Canada. Beginning in 1902, the periodical published a Yearbook, which contained a wealth of fisheries statistics, including a table of the British Columbia canned pack, by establishment, species and area (Table B43). Although these data were from the same source as those in provincial reports (i.e. B.C. Salmon Canners' Association), pack totals often differed by a few percent. For this reason we used Yearbook data to calculate canned pack species compositions only for years when provincial reports were either unavailable or did not include detailed canned pack statistics.

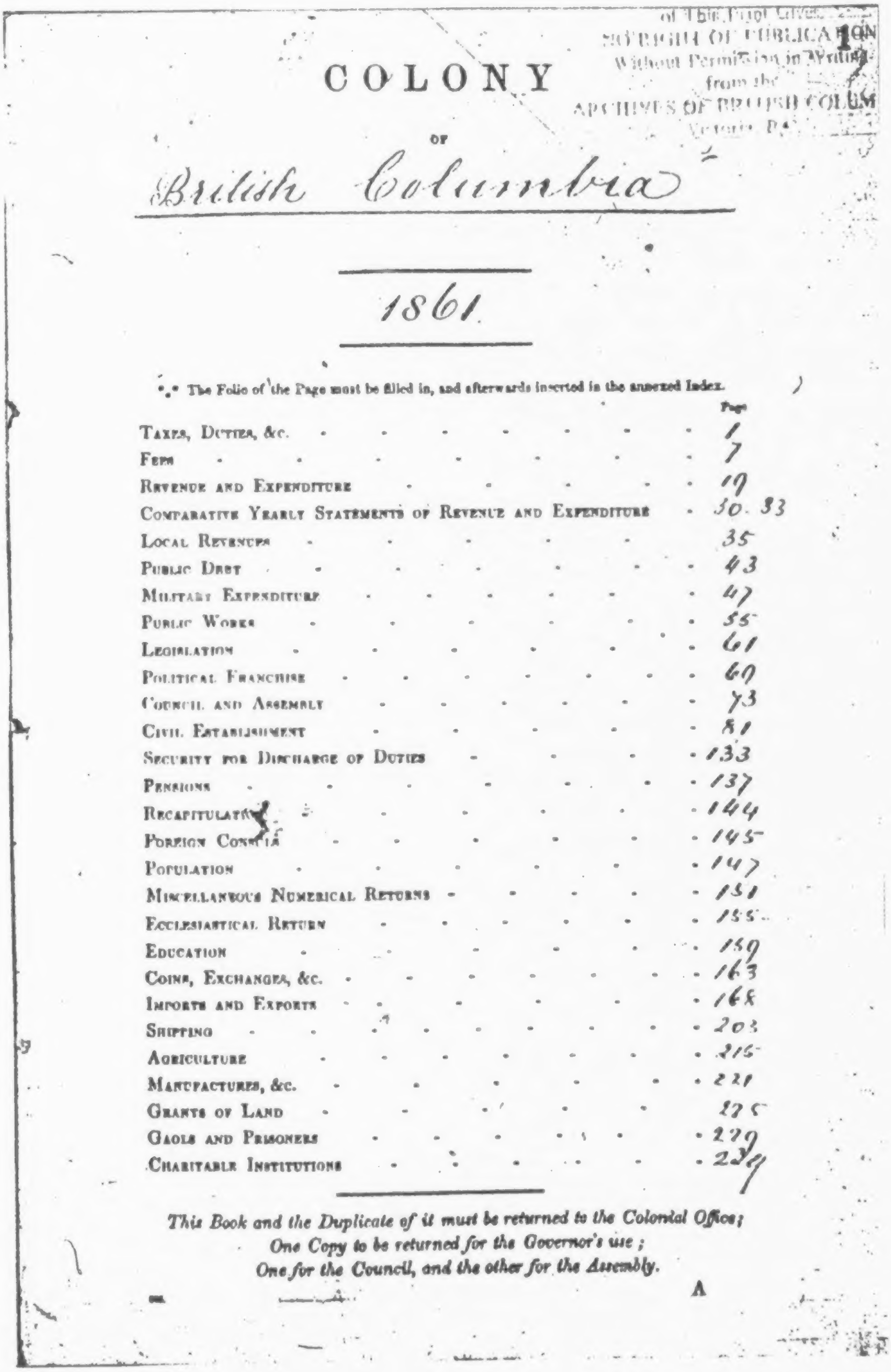
12. POST 1950 DATA

In 1951, the statistical system changed from one based on annual schedules of production statistics completed by processors, to one based on sales slips, completed by fishermen and buyers at the time fish were first landed and sold. An example sales slip (Table B44) and statistical summaries, by area, of weekly, monthly and annual salmon landings data in numbers (pieces) and weight (lb) (Tables B45-B49) illustrate the much greater detail that post-1950 harvest data were available in for management and stock assessment purposes (Post 1950 data are used to illustrate trends in landings in Section 4.3.3 of the main text).

13. SUMMARY TABLE

For ease of reference, Appendix B table numbers are identified as to time period and data type in Table B50.

Table B1. Extract from the Bluebook of Statistics for the Colony of British Columbia for 1861listing the "Return of the Manufactures, Mines, and Fisheries". Continued.



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COLONY

OF

British Columbia

1861.

*** The Folio of the Page must be filled in, and afterwards inserted in the annexed Index.

	Page
Taxes, Duties, &c.	1
Fees	7
Revenue and Expenditure	19
Comparative Yearly Statements of Revenue and Expenditure	30. 33
Local Revenues	35
Public Debt	43
Military Expenditure	47
Public Works	55
Legislation	61
Political Franchise	69
Council and Assembly	73
Civil Establishment	81
Security for Discharge of Duties	133
Pensions	137
Recapitulation	144
Foreign Consuls	145
Population	147
Miscellaneous Numerical Returns	151
Ecclesiastical Return	155
Education	159
Coins, Exchanges, &c.	163
Imports and Exports	168
Shipping	203
Agriculture	215
Manufactures, &c.	221
Grants of Land	225
Gaols and Prisoners	229
Charitable Institutions	234

This Book and the Duplicate of it must be returned to the Colonial Office;
One Copy to be returned for the Governor's use;
One for the Council, and the other for the Assembly.

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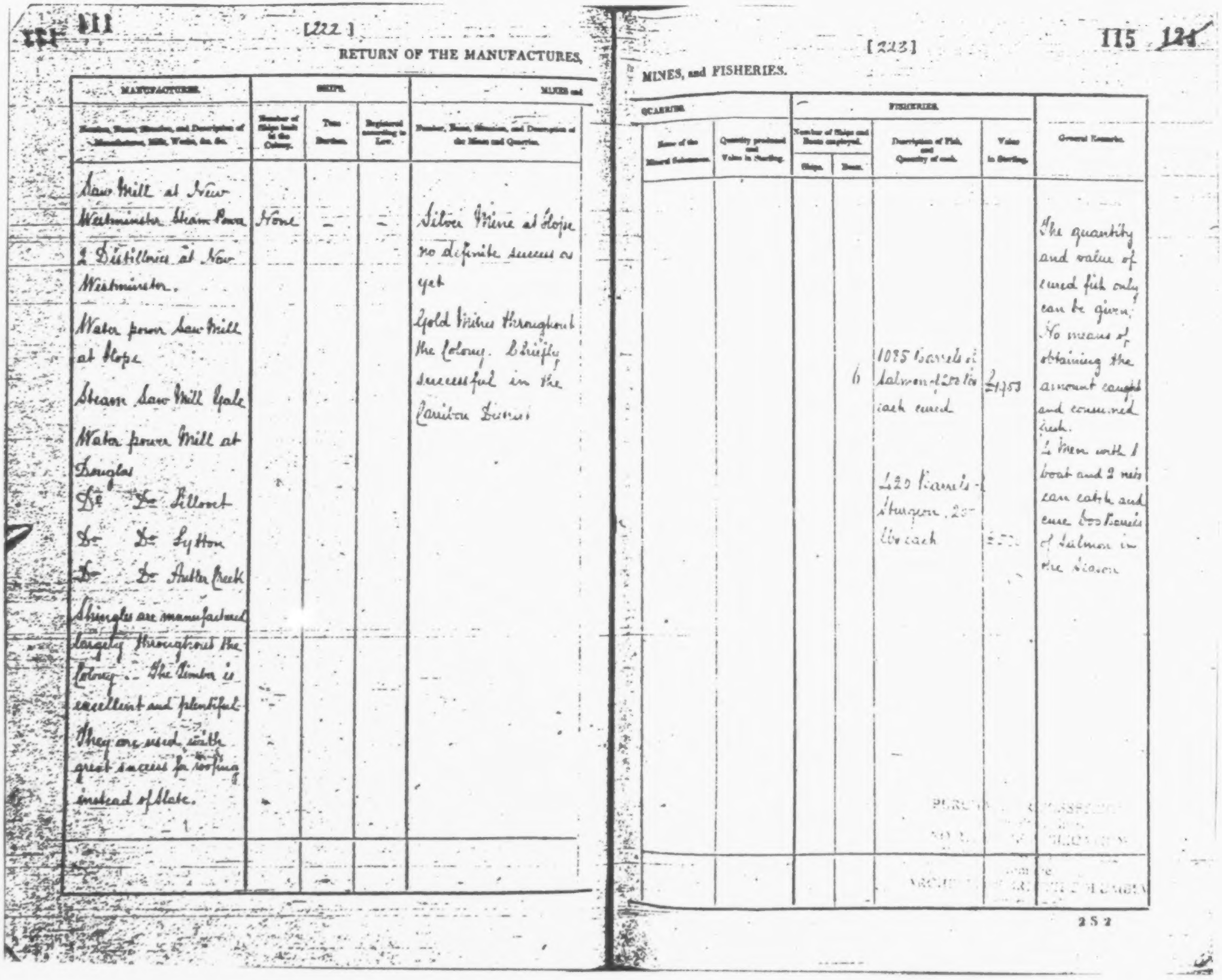
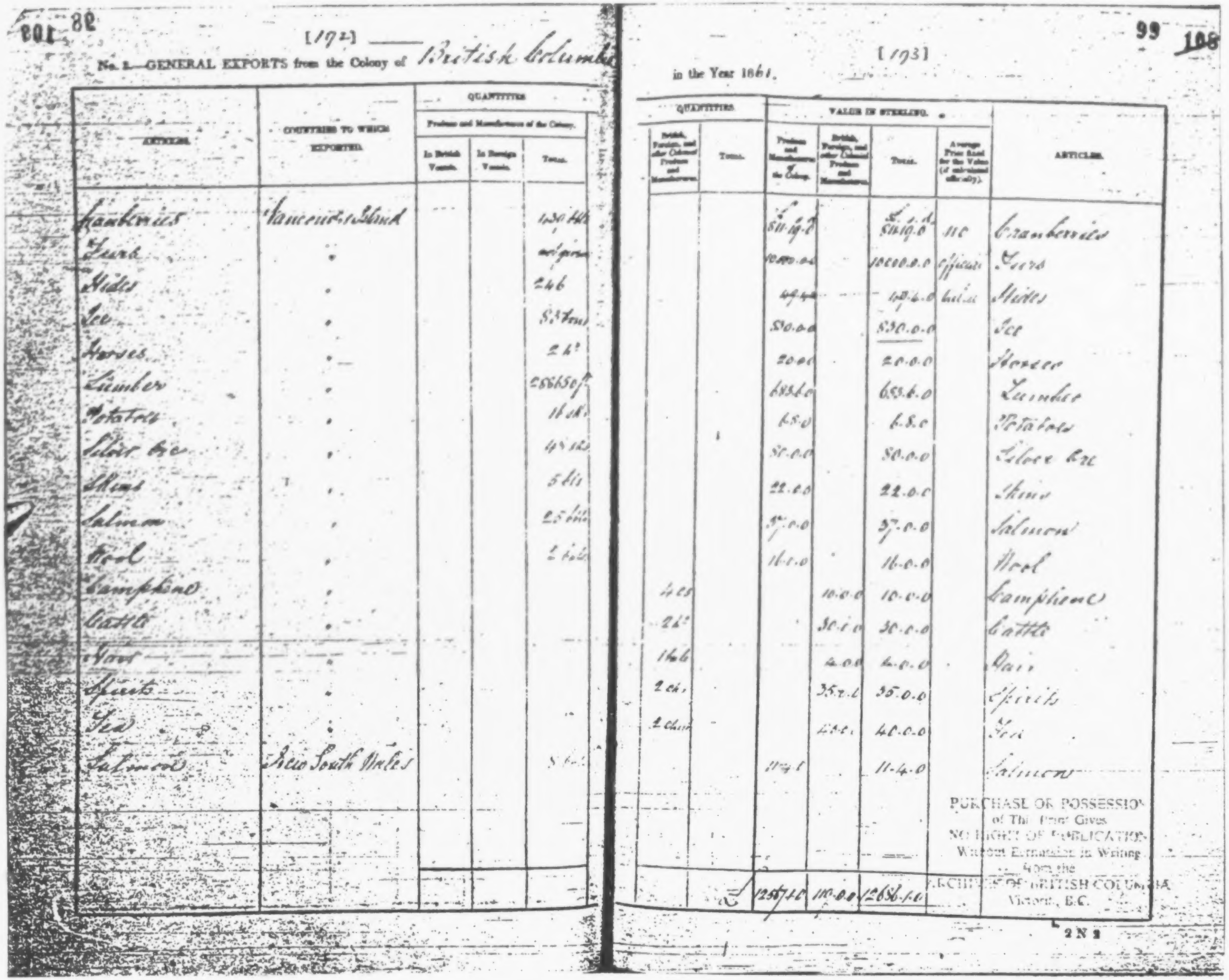


RETURN OF THE MANUFACTURES, MINES, and FISHERIES.

MANUFACTURES.	SHIPS.			MINES and QUARRIES.			FISHERIES.				
Number, Name, Situation, and Description of Manufactories, Mills, Works, &c. &c.	Number of Ships built in the Colony.	Tons Burthen.	Registered according to Law.	Number, Name, Situation, and Description of the Mines and Quarries.	Name of the Mineral Substances.	Quantity produced and Value in Sterling.	Number of Ships and Boats employed. Ships.	Boats.	Description of Fish, and Quantity of each.	Value in Sterling.	General Remarks.
Saw Mill at New Westminster Steam Power	None	–	–	Silver Mine at Hope no definite success as yet							The quantity and value of cured fish only can be given; No means of obtaining the amount caught and consumed fresh.
2 Distilleries at New Westminster.				Gold Mines throughout the Colony. Chiefly successful in the Cariboo District							
Water power Saw Mill at Hope								6	1085 barrels of Salmon of 200 lbs each cured	£1753	2 Men with 1 boat and 2 nets can catch and cure 300 barrels of Salmon in the season
Steam Saw Mill Yale											
Water power Mill at Douglas									220 barrels Sturgeon, 200 lbs each	£[illegible]	
Do Do Lillooet											
Do Do Lytton											
Do Do Antler Creek											
Shingles are manufactured largely throughout the Colony. The timber is excellent and plentiful. They are used with great success for roofing instead of slate.											

Table B2. Extract from the Bluebook of Statistics for the Colony of British Columbia for 1861 listing the quantities and values of exports.



[192] No. 2.—GENERAL EXPORTS from the Colony of British Columbia in the Year 1861. [193]

ARTICLES.	COUNTRIES TO WHICH EXPORTED.	QUANTITIES: Produce and Manufactures of the Colony. In British Vessels.	In Foreign Vessels.	Total.	QUANTITIES: British, Foreign, and other Colonial Produce and Manufactures.	Total.	VALUE IN STERLING: Produce and Manufactures of the Colony.	British, Foreign, and other Colonial Produce and Manufactures.	Total.	Average Price fixed for the Value (if calculated officially).	ARTICLES.
Cranberries	Vancouver's Island			1230 bbls			£ 811.19.0		£ s. d. 811.19.0	Inv	Cranberries
Furs	"			not given			10000.0.0		10000.0.0	official	Furs
Hides	"			246			49.4.0		49.4.0	value	Hides
Ice	"			83 tons			830.0.0		830.0.0		Ice
Horses	"			2 hd			20.0.0		20.0.0		Horses
Lumber	"			286650 ft			655.6.0		655.6.0		Lumber
Potatoes	"			16 sks			6.8.0		6.8.0		Potatoes
Silver Ore	"			48 lbs			80.0.0		80.0.0		Silver Ore
Skins	"			5 bls			22.0.0		22.0.0		Skins
Salmon	"			25 bbls			37.0.0		37.0.0		Salmon
Wool	"			2 bales			16.0.0		16.0.0		Wool
Camphene	"				4 cs			10.0.0	10.0.0		Camphene
Cattle	"				2 hd			30.0.0	30.0.0		Cattle
Hair	"				1 bale			4.0.0	4.0.0		Hair
Spirits	"				2 cks			35.0.0	35.0.0		Spirits
Tea	"				2 chests			40.0.0	40.0.0		Tea
Salmon	New South Wales			8 bbls			11.4.0		11.4.0		Salmon
						£	12557.1.0	119.0.0	12686.1.0		

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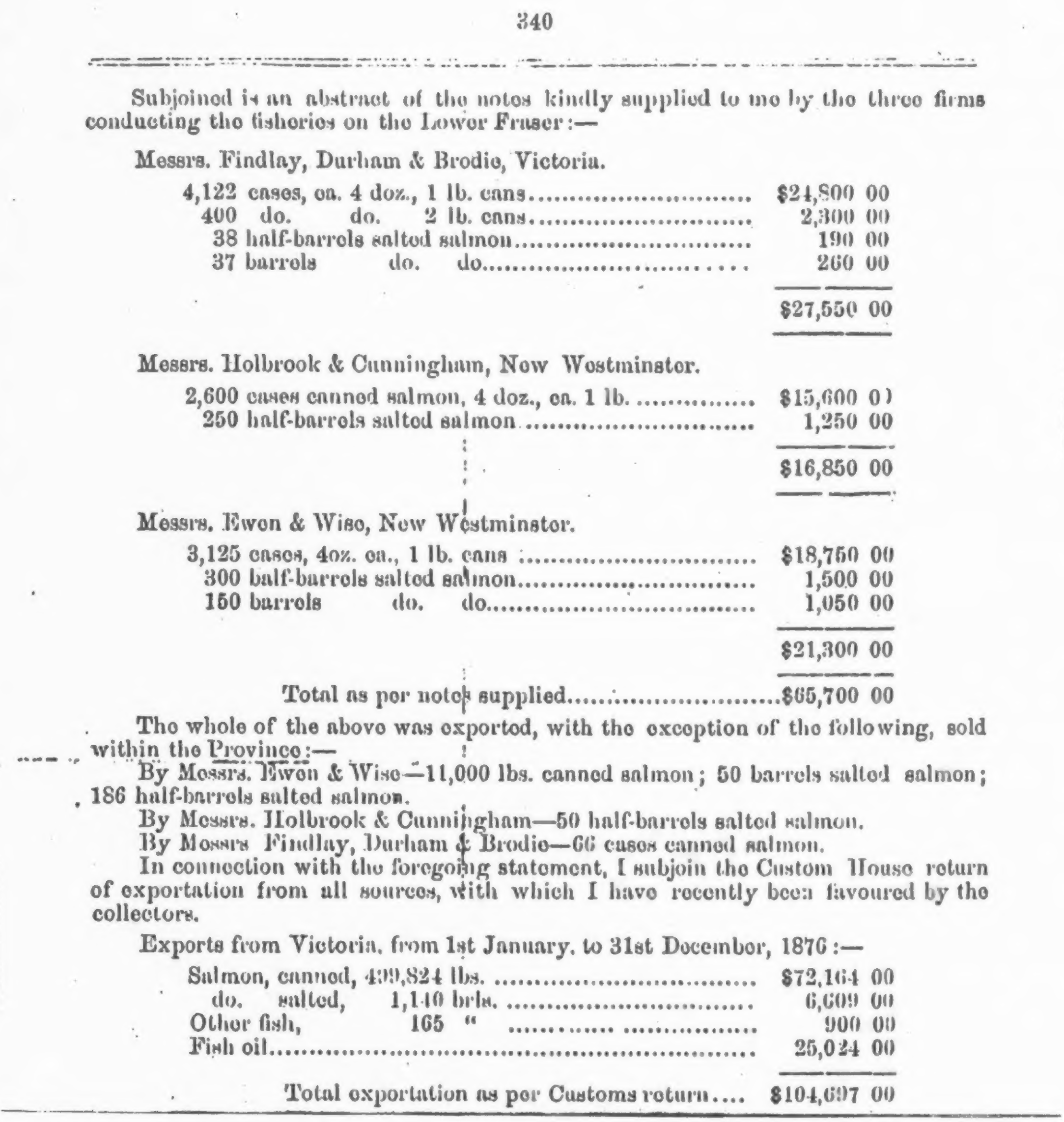
Table B3. Extract from Appendix 21 (Report of the Inspector of Fisheries for British Columbia for the year of 1876) to the Ninth Annual Report of the Department of Marine and Fisheries for the Fiscal Year ended 30th June, 1876, listing production and export statistics for the year.



Subjoined is an abstract of the notes kindly supplied to me by the three firms conducting the fisheries on the Lower Fraser:—

Messrs. Findlay, Durham & Brodie, Victoria.

4,122 cases, ea. 4 doz., 1 lb. cans	$24,800 00
400 do. do. 2 lb. cans	2,300 00
38 half-barrels salted salmon	190 00
37 barrels do. do	260 00
	$27,550 00

Messrs. Holbrook & Cunningham, New Westminster.

2,600 cases canned salmon, 4 doz., ea. 1 lb.	$15,600 0)
250 half-barrels salted salmon	1,250 00
	$16,850 00

Messrs. Ewen & Wise, New Westminster.

3,125 cases, 4oz. ea., 1 lb. cans	$18,750 00
300 half-barrels salted salmon	1,500 00
150 barrels do. do	1,050 00
	$21,300 00
Total as per notes supplied	$65,700 00

The whole of the above was exported, with the exception of the following, sold within the Province:—

By Messrs. Ewen & Wise—11,000 lbs. canned salmon; 50 barrels salted salmon; 186 half-barrels salted salmon.

By Messrs. Holbrook & Cunningham—50 half-barrels salted salmon.

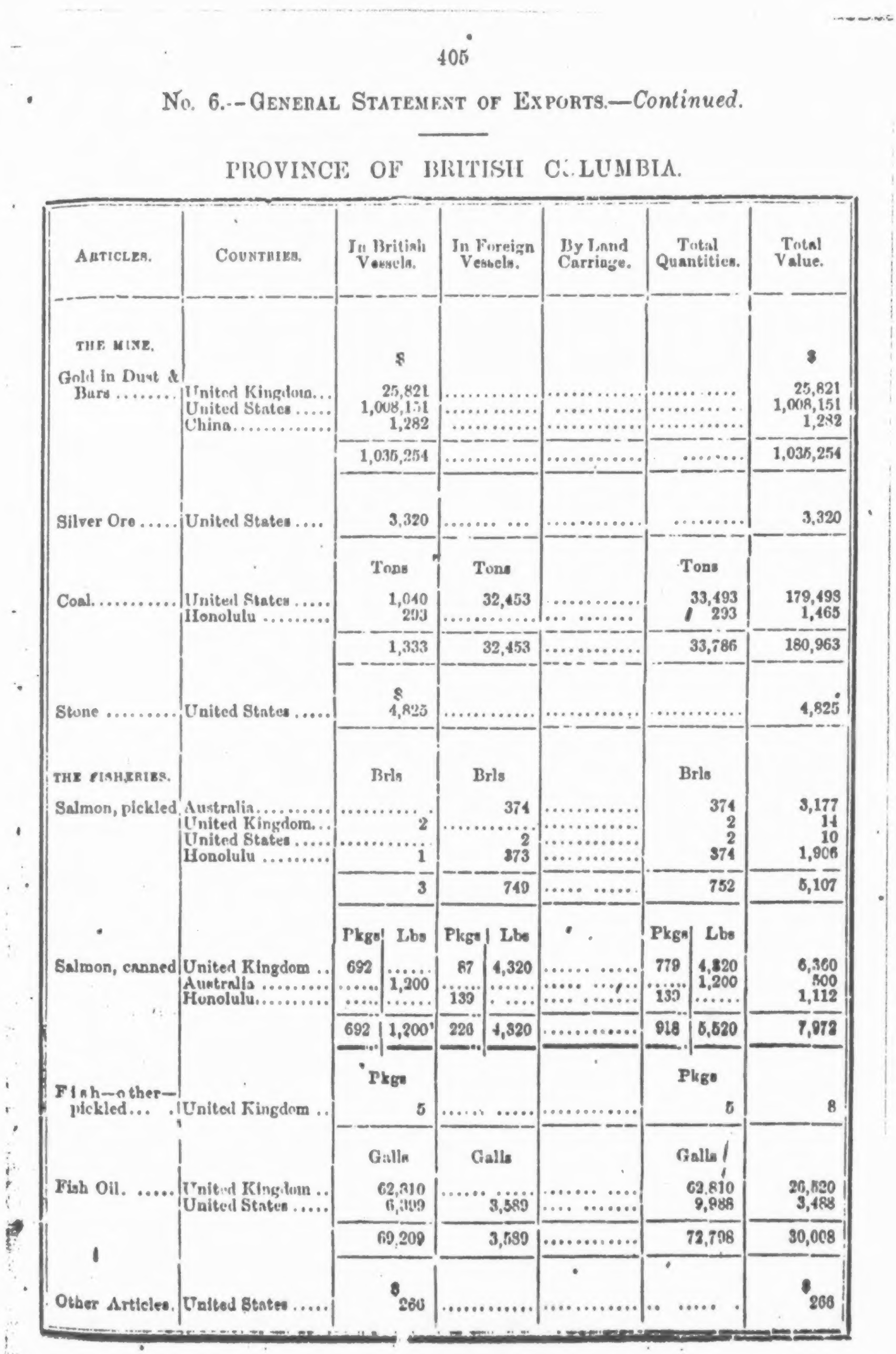
By Messrs Findlay, Durham & Brodie—66 cases canned salmon.

In connection with the foregoing statement, I subjoin the Custom House return of exportation from all sources, with which I have recently been favoured by the collectors.

Exports from Victoria, from 1st January, to 31st December, 1876:—

Salmon, canned,	499,824 lbs.	$72,164 00
do. salted,	1,140 brls.	6,609 00
Other fish,	165 "	900 00
Fish oil		25,024 00
Total exportation as per Customs return		$104,697 00

Table B4. Extract from No. 6 of the Tables of the Trade and Navigation of the Dominion of Canada for the Year Ending 30th June, 1872.



405

No. 6.—GENERAL STATEMENT OF EXPORTS.—*Continued.*

PROVINCE OF BRITISH COLUMBIA.

ARTICLES.	COUNTRIES.	In British Vessels.	In Foreign Vessels.	By Land Carriage.	Total Quantities.	Total Value.
THE MINE.		$				$
Gold in Dust & Bars	United Kingdom...	25,821	....	....	....	25,821
	United States	1,008,151	....	....	....	1,008,151
	China.............	1,282	....	....	....	1,282
		1,035,254	....	....	....	1,035,254
Silver Ore	United States	3,320	....	....	....	3,320
		Tons	Tons		Tons	
Coal...........	United States	1,040	32,453	....	33,493	179,498
	Honolulu	293	....	... .	293	1,465
		1,333	32,453	....	33,786	180,963
		$				
Stone	United States	4,825	....	....	....	4,825
THE FISHERIES.		Brls	Brls		Brls	
Salmon, pickled	Australia..........	....	374	....	374	3,177
	United Kingdom...	2	....	....	2	14
	United States	....	2	....	2	10
	Honolulu	1	373	....	374	1,906
		3	749	....	752	5,107
		Pkgs / Lbs	Pkgs / Lbs		Pkgs / Lbs	
Salmon, canned	United Kingdom ..	692 /	87 / 4,320	....	779 / 4,320	6,360
	Australia	...... / 1,200	...... /	....	...... / 1,200	500
	Honolulu..........	..... /	139 /	....	139 /	1,112
		692 / 1,200	226 / 4,320	....	918 / 5,520	7,972
		Pkgs			Pkgs	
Fish—other—pickled...	United Kingdom ..	5	....	....	5	8
		Galls	Galls		Galls	
Fish Oil.	United Kingdom ..	62,810	....	....	62,810	26,520
	United States	6,399	3,589	....	9,988	3,488
		69,209	3,589	....	72,798	30,008
Other Articles.	United States	$ 266	....	....	.. ..	$ 266

Table B5. Appendix 18 to the Tenth Annual Report of the Department of Marine and Fisheries for the Year ended June 30, 1877 comprising tables associated with Appendix 17 (Report of the Inspector of Fisheries for British Columbia for the Year 1877) showing numbers and values of fishing vessels and gear and quantities and values of fisheries production.

No. 16.

RETURN showing Number and Value of Vessels, Boats, Nets, &c., in the Province of British Columbia, for the Year 1877.

NAME OF PLACE	NAME OF FITTER OUT.	VESSELS.				FISHING BOATS.		FLAT BOATS.		No. of Fishermen.	No. of Shoremen.	NETS AND SEINES.								
												Salmon Nets.			Salmon Seines.			Herring Seines.		
		No.	Tons.	Value.	No. of Sailors.	No.	Value.	No.	Value.			No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.
				$			$		$					$			$			$
New Westminster, Fraser River...	Ewen & Wise...	...	...	...	...	13	650	...	...	50	96	38	9120	4000	...	...	...	...	...	...
do do ...	Finlayson & Lane...	...	...	...	...	25	1200	2	600	68	160	44	4400	4500	...	...	...	...	...	...
do do ...	Holbrook & Co...	...	...	...	...	1	150	10	350	50	97	38	1520	3800	...	...	...	1	400	200
do do ...	English & Co...	2	60	500	...	26	1040	...	...	90	250	105	21000	16800	3	900	325	...	...	...
Near mouth of Fraser River...	J. S. Deas...	...	...	...	...	20	900	...	...	64	150	60	8000	6000	...	...	...	...	...	...
Inverness, Skeena River...	North-Western Commercial Company...	1	10	120	...	2	200	9	400	22	3	25	2000	2500	1	450	200	...	...	...
Estimated along the coast...	Various fishermen...	...	...	...	...	50	5000	...	...	100	...	...	...	...	...	...	...	...	...	...
Total...	...	3	70	620	...	137	9140	21	1350	444	746	310	46040	37600	4	1350	525	1	400	200

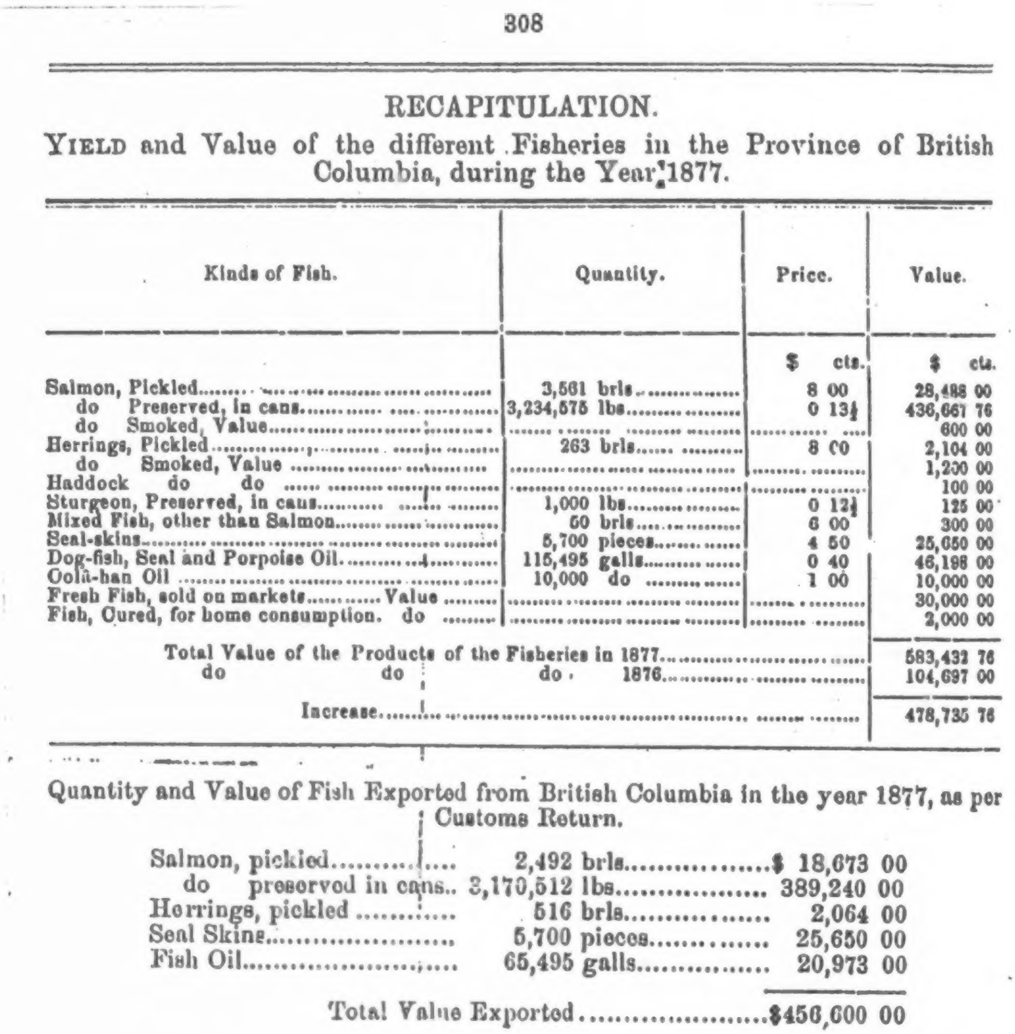
RETURN showing the Kinds, Quantities, and Value of Fish, &c.—British Columbia—*Continued.*

NAME OF STATION.	NAME OF OWNER.	Salmon, Cured, barrels.	Salmon, in cans, lbs.	Salmon, Smoked, Value.	Various kinds of fresh fish, Value.	Haddock, Smoked, Value.	Various kinds of fish, barrels.	Herring, barrels.	Herring, Smoked, Value.	Sturgeon, Canned, lbs.	No. of Seals.	No. of Seal-skins.	Oils.		WHERE MARKETED.
													Dog-fish, Seal and Porpoise Oil, galls.	Oolá-han Oil, galls	
				$	$	$			$						
New Westminster, Fraser River...	Ewen & Wise...	1650	400032	...	...	...	...	...	...	...	...	...	...	...	Australia, South America and Great Britain.
do do ...	Finlayson & Lane...	916	574368	...	...	...	...	...	...	1000	...	...	...	...	England, Australia and (Canada ?)
do do ...	Holbrook & Co...	290	432000	...	...	...	...	263	...	...	...	...	...	...	London and Australia.
do do ...	English & Co...	300	1152000	...	...	...	...	...	...	...	...	...	...	...	do do
Near mouth of Fraser River...	J. S. Deas...	395	532176	...	...	...	...	...	...	...	...	...	...	...	do do
Inverness, Skeena River...	Northwestern Commercial Company..	10	144000	...	...	...	...	...	...	...	...	...	...	...	
In Victoria and Esquimault...	Mr. Ingwell and others...	100	...	600	...	100	50	...	1200	...	...	...	...	...	Home market.
Vancouver & Queen Charlotte Isl'ds	...	...	...	...	...	...	...	...	...	...	5700	5700	...	...	
Estimate of Home Consumption of various kinds, and including Customs return of export of fish oil...	Divers sources...	...	...	...	32000	...	...	...	...	...	...	...	115495	10000	Exported to London. Mills, Mines, Shipping, &c. Oolá-han oil all bought up by the Indians at $1 per gallon.
Total...	...	3561	3234576	600	32000	100	50	263	1200	1000	5700	5700	115495	10000	

VICTORIA, B.C., 27th January, 1878.

ALEX. C. ANDERSON,
Inspector of Fisheries, B.C.

Table B6. "Recapitulation Table" from Appendix 18 to the Tenth Annual Report of the Department of Marine and Fisheries for the Year ended June 30, 1877 summarizing fisheries production data and listing exports for the 1877 season.



308

RECAPITULATION.

YIELD and Value of the different Fisheries in the Province of British Columbia, during the Year 1877.

Kinds of Fish.	Quantity.	Price.	Value.
		$ cts.	$ cts.
Salmon, Pickled	3,561 brls	8 00	28,488 00
do Preserved, in cans	3,234,575 lbs	0 13½	436,667 76
do Smoked, Value			600 00
Herrings, Pickled	263 brls	8 00	2,104 00
do Smoked, Value			1,200 00
Haddock do do			100 00
Sturgeon, Preserved, in cans	1,000 lbs	0 12½	125 00
Mixed Fish, other than Salmon	50 brls	6 00	300 00
Seal-skins	5,700 pieces	4 50	25,650 00
Dog-fish, Seal and Porpoise Oil	115,495 galls	0 40	46,198 00
Oolâ-han Oil	10,000 do	1 00	10,000 00
Fresh Fish, sold on markets Value			30,000 00
Fish, Cured, for home consumption. do			2,000 00
Total Value of the Products of the Fisheries in 1877			583,432 76
do do do 1876			104,697 00
Increase			478,735 76

Quantity and Value of Fish Exported from British Columbia in the year 1877, as per Customs Return.

Salmon, pickled	2,492 brls	$ 18,673 00
do preserved in cans	3,170,512 lbs	389,240 00
Herrings, pickled	516 brls	2,064 00
Seal Skins	5,700 pieces	25,650 00
Fish Oil	65,495 galls	20,973 00
Total Value Exported		$456,600 00

Table B7. Extract from Appendix 8 (Annual Report of the Fisheries of British Columbia for the year 1888, by Mr. Thomas Mowat, Inspector) to the Annual Report of the Department of Marine and Fisheries for the Year 1888 showing numbers and values of fishing vessels and gear and quantities and values of fisheries production by area.

Return showing the Number, Tonnage and Value of Vessels and Boats, and the Number of Men engaged in the Fisheries, Quantity and Value of Fishing Materials, Kinds and Quantities of Fish, &c., in the Province of **British Columbia**, for the Year 1888.

Locality.	Vessels and Boats Employed.							Fishing Materials.						Kinds of Fish.					
	Vessels.				Boats.			Gill Nets.		Seines.		Trawl Lines.							
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	Fathoms.	Value.	No.	Value.	Salmon, brls.	Salmon, fresh, lbs.	Salmon, smoked, lbs.	Salmon, in cans.	Sturgeon, lbs.	Halibut, lbs.
			$			$			$		$		$						
Fraser River and South to American Boundary	16	286	54000	40	633	31051	3721	140316	88750	750	1400	...	...	172	1569000	.	2677568	153500	10000
From Fraser River to How Sound	2	75	2900	17	7	760	28	946	700	20	400	...	...	90	100000	1500	...	22000	40000
From How Sound to Smith's Inlet	...	...	...	...	6	846	22	1000	600	200	850	...	...	350	300	...	...	...	...
From Smith's Inlet to River's Inlet	2	25	7000	6	76	2315	510	12300	12600	250	250	...	...	1400	85000	...	960000	...	...
From River's Inlet to Skeena River	2	60	6500	4	217	8700	1140	56350	38000	100	100	...	...	398	150000	10000	3365112	...	1000
From Skeena River to Alaska Boundary	1	20	2500	2	60	4660	253	13800	9200	...	...	...	...	1261	15000	1000	59,2[illegible]	...	...
East Coast of Queen Charlotte's Islands	...	...	...	...	10	1000	30	...	...	300	400	...	...	200	6000	...	...	...	20000
West Coast of Queen Charlotte's Islands	2	140	7000	12	8	1600	80	...	...	200	300	...	...	...	...	...	...	...	5000
From Cape Scott, V.I., to Comox River	1	23	600	...	7	217	91	154	200	210	600	...	...	145	10000	...	210000	...	...
From Comox River to Victoria	...	...	...	...	42	1500	64	...	...	2400	2400	15	1200	...	450000	...	...	...	2500
From Victoria to San Juan	...	...	...	...	8	600	14	...	...	400	600	4	120	25	130000	900	...	40000	150000
From San Juan to Barkley Sound	1	20	600	2	1	100	8	...	...	150	200	...	...	200	...	...	...	...	...
From Barkley Sound to Cape Scott	6	226	9000	17	11	1000	...	...	...	600	800	...	...	...	...	...	...	...	1000
The Fur Seal Fleet from Victoria	20	1291	96500	285	167	16700	...	...	...	...	...	...	...	...	...	...	...	...	...
Sea Otters and hair and fur Seals purchased from Indian and other hunters, estimated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	52	2166	186100	48	1287	71012	6456	221866	160110	5790	8200	39	1320	4241	2477000	13400	6833911	215500	229500

Return showing the Number, Tonnage and Value of Vessels and Boats, &c.—Province of **British Columbia**—*Continued.*

Locality.	Kinds of Fish and Fish Products.																Value.
	Halibut, smoked, lbs.	Herring, lbs.	Herring, smoked, lbs.	Oolachans, salted, brls.	Oolachans, fresh, lbs.	Oolachans, smoked, lbs.	Trout, lbs.	Assorted or Mixed Fish, lbs.	Smelts, fresh, lbs.	Sardines, fresh, lbs.	Skil, brls.	Toosbyus, fresh, lbs.	Fur Seal Skins, No.	Hair Seal Skins, No.	Sea Otter Skins, No.	Fish Oils, galls.	
																	$ cts.
Fraser River and South to American Boundary	6000	20000	...	8	6000	...	2000	20000	...	...	...	8000	...	...	...	1350	631,096 00
From Fraser River to How Sound	10000	51400	3000	2	3000	...	1500	75000	8000	3100	...	20000	...	...	...	10250	29,596 00
From How Sound to Smith's Inlet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,800 00
From Smith's Inlet to River's Inlet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	139,500 00
From River's Inlet to Skeena River	...	...	...	75	...	200	...	...	...	...	20	...	...	...	...	1500	443,809 00
From Skeena River to Alaska Boundary	...	...	...	150	1200	...	...	...	...	...	...	...	...	...	...	10	89,843 00
East Coast of Queen Charlotte's Islands	...	10000	...	...	...	...	...	10000	...	...	...	...	...	...	...	20000	14,500 00
West Coast of Queen Charlotte's Islands	...	500	...	...	...	...	...	...	...	...	464	...	...	...	...	...	8,627 00
From Cape Scott, V.I., to Comox River	...	...	...	...	...	...	1000	2000	...	...	...	...	...	...	...	135	32,117 50
From Comox River to Victoria	...	...	...	...	...	...	1000	50000	...	...	...	...	...	...	...	15600	55,525 00
From Victoria to San Juan	...	40000	5000	50	10000	...	3000	150000	...	...	...	...	...	...	...	2000	34,730 00
From San Juan to Barkley Sound	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1500	2,750 00
From Barkley Sound to Cape Scott	...	1000	...	...	...	...	...	3000	...	...	...	...	...	...	...	12000	6,250 00
The Fur Seal Fleet from Victoria	...	...	...	...	...	...	...	...	...	...	...	...	24483	...	...	...	244,830 00
Sea Otters and hair and fur Seals purchased from Indian and other hunters, estimated	...	...	...	...	...	...	...	...	...	...	...	...	3500	3500	100	...	45,125 00
Totals	16000	122900	8000	285	30200	200	8500	310000	8000	3100	484	28000	27983	3500	100	64315	

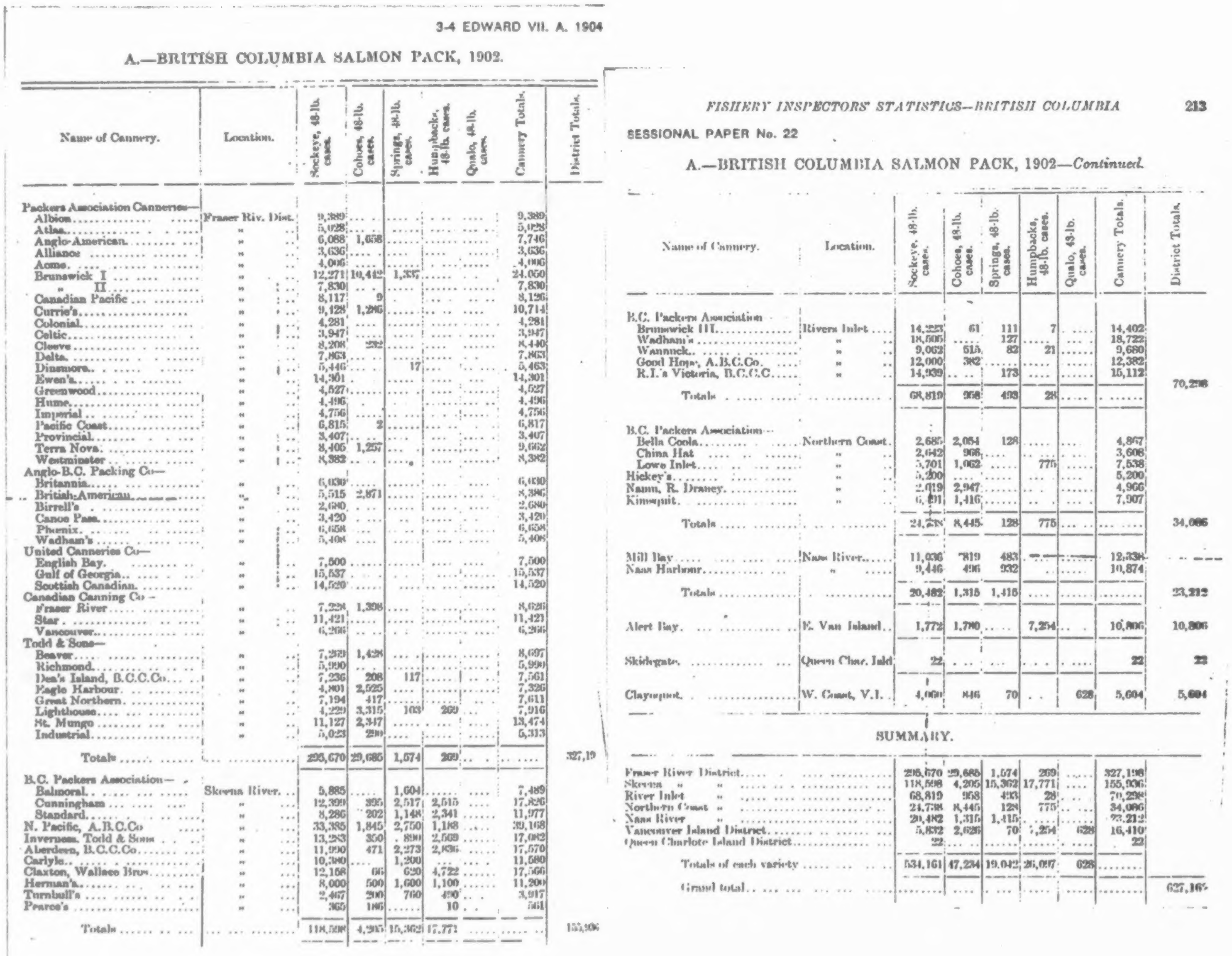
Schooner "O. S. Fowler," 21 Walrus Skins, 300 lbs. each, at 6c. per lb.; 250 lbs. Ivory, at 40c. per lb	478 00
From Queen Charlotte's Islands, 50 boxes Abelones, at $5 per box	250 00
From Vancouver's Island Oyster Beds, 2,400 sacks, at $1 each	2,400 00
Estimated value of various kinds of fish consumed by the inhabitants of the Province	100,000 00
" Clams, 3,000 sacks, at $1 each; 150,000 Crabs, at 2c each; 200 sacks of Mussels, at $1 each	6,100 00
" Shrimps, Prawns and other shell fish, Anchovies and Isinglass	10,500 00
Total	1,002,195 50

Table B8. Extract from Appendix to the Annual Report of the Department of Marine and Fisheries for the Year 1888 showing salmon packs by cannery for 1876-1888.

British Columbia SALMON PACK for 13 Years.

—	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.
Ewen & Co	3,125	8,334	13,700	8,380	6,'91	18,900	20,000	10,438	9,600	23,000	15,000	21,000	10,470
Findlay, Durham & Brodie	4,122	11,087	7,885	4,162	5,300	10,200	9,600	4,926			5,300	5,915	3,300
Holbrook & Co	2,600	9,000	12,000										
Finlayson & Lane		11,968											
English & Co		21,000	17,168	8,813	5,061	18,500	26,000						
British Columbia Packing Co.			12,625	5,200	2 048	19 987	21,500	5,250		12,952	5,000	10,000	5,000
Delta Canning Co			16,500	11,500	9,500	19,989	26,700	11,735		21,316	7,506	10,324	6,771
King & Co			13,570	5,585									
Lane, Pike & Nelson			11,655										
B. Haigh & Sons				6,550	9,722	21,000	15,401	9,630					
Adair & Co					4,333	17,590	20,478						
Laidlaw & Co						16,350	27,365	11,440	6,650		7,891	10,324	6,771
British Union Packing Co							7,560	6,170					
British American Packing Co.							15,000	4,600		12,000	6,000	11,000	10,000
Richmond Canning Co							9,600	9,200	4,952	7,850	10,127	10 150	7,804
E. A. Wadhams								11,856			14,600	9,850	5,720
Wellington Packing Co								10,055	8,780	12,500	11,250	11,600	7,200
Phœnix Canning Co								10,401	4,055		10,000	9,000	4,000
Spratts Ark								4,000	4,400				
Bon Accord Fishing Co.											6,500	12,525	5,140
Harlock Packing Co												6,500	4.440
Inverness Canning Co		3,000	5,500	5,812	9,924	11,560	12,137	7,480	12,345	6,300	10,587	11,729	13,805
Windsor			3,000	4,791	9,770	10,000	12,335	7,304	10,546			12,000	12,872
Metlakatlah							5,000	6,871	9,772		8,300		
British American Packing Co.								5,200	11,297		12,000	12,965	17,709
Skeena River Canning Co								7,000	12 247	6,600	15,000	13,548	15,060
Balmoral Packing Co								4,173	7,351			8,350	10,660
Alert Bay Canning Co						5,500	4,600	6,400	7,000	6,000	1,200	4,200	5,000
H. E. Croasdaile						7,700	9,600	10,981					
Douglas Packing Co							6,500	9,400					
Naas River Fishery									8,500				
A. J. McLellan													12 318
Rivers Inlet Canning Co							5,635	10,780	11,887		15,000	7 023	12,000
Wannock Packing Co									8,496			4,180	8,000
Quashela Packing Co								11,000	3,364				
Total Pack each year, cases	9,847	67,387	113,601	61,093	61,849	177,276	255,061	196,292	141,242	108,517	161,264	204,083	184,040

Table B9. Extract from Appendix 10 (Annual Report of the Fisheries of British Columbia for the year 1902, by Inspector C.B. Sword) to the Annual Report of the Department of Marine and Fisheries for the Year 1902 showing the canned pack of different salmon species, by cannery.



3-4 EDWARD VII. A. 1904

A.—BRITISH COLUMBIA SALMON PACK, 1902.

Name of Cannery.	Location.	Sockeye, 48-lb. cases.	Cohoes, 48-lb. cases.	Springs, 48-lb. cases.	Humpbacks, 48-lb. cases.	Qualo, 48-lb. cases.	Cannery Totals.	District Totals.
Packers Association Canneries—								
Albion	Fraser Riv. Dist.	9,389					9,389	
Atlas	"	5,028					5,028	
Anglo-American	"	6,088	1,658				7,746	
Alliance	"	3,636					3,636	
Acme	"	4,006					4,006	
Brunswick I	"	12,271	10,442	1,337			24,050	
" II	"	7,830					7,830	
Canadian Pacific	"	8,117	9				8,126	
Currie's	"	9,128	1,286				10,714	
Colonial	"	4,281					4,281	
Celtic	"	3,947					3,947	
Cleeve	"	8,208	232				8,440	
Delta	"	7,863					7,863	
Dinsmore	"	5,446		17			5,463	
Ewen's	"	14,301					14,301	
Greenwood	"	4,527					4,527	
Hume	"	4,496					4,496	
Imperial	"	4,756					4,756	
Pacific Coast	"	6,815	2				6,817	
Provincial	"	3,407					3,407	
Terra Nova	"	8,405	1,257				9,662	
Westminster	"	8,382					8,382	
Anglo-B.C. Packing Co—								
Britannia	"	6,030					6,030	
British-American	"	5,515	2,871				8,386	
Birrell's	"	2,680					2,680	
Canoe Pass	"	3,420					3,420	
Phœnix	"	6,658					6,658	
Wadham's	"	5,408					5,408	
United Canneries Co—								
English Bay	"	7,500					7,500	
Gulf of Georgia	"	15,537					15,537	
Scottish Canadian	"	14,520					14,520	
Canadian Canning Co—								
Fraser River	"	7,228	1,398				8,626	
Star	"	11,421					11,421	
Vancouver	"	6,266					6,266	
Todd & Sons—								
Beaver	"	7,269	1,428				8,697	
Richmond	"	5,990					5,990	
Dea's Island, B.C.C.C.Co	"	7,236	208	117			7,561	
Eagle Harbour	"	4,801	2,525				7,326	
Great Northern	"	7,194	417				7,611	
Lighthouse	"	4,229	3,315	103	269		7,916	
St. Mungo	"	11,127	2,347				13,474	
Industrial	"	5,023	290				5,313	
Totals		295,670	29,685	1,574	269			327,19
B.C. Packers Association—								
Balmoral	Skeena River.	5,885		1,604			7,489	
Cunningham	"	12,399	395	2,517	2,515		17,826	
Standard	"	8,286	202	1,148	2,341		11,977	
N. Pacific, A.B.C.Co	"	33,385	1,845	2,750	1,188		39,168	
Inverness, Todd & Sons	"	13,283	350	890	2,569		17,092	
Aberdeen, B.C.C.Co	"	11,990	471	2,273	2,836		17,570	
Carlyle	"	10,380		1,200			11,580	
Claxton, Wallace Bros	"	12,158	66	620	4,722		17,566	
Herman's	"	8,000	500	1,600	1,100		11,200	
Turnbull's	"	2,467	200	760	490		3,917	
Pearce's	"	365	186		10		561	
Totals		118,598	4,205	15,362	17,771			155,906

FISHERY INSPECTORS' STATISTICS—BRITISH COLUMBIA 213

SESSIONAL PAPER No. 22

A.—BRITISH COLUMBIA SALMON PACK, 1902—*Continued.*

Name of Cannery.	Location.	Sockeye, 48-lb. cases.	Cohoes, 48-lb. cases.	Springs, 48-lb. cases.	Humpbacks, 48-lb. cases.	Qualo, 48-lb. cases.	Cannery Totals.	District Totals.
B.C. Packers Association—								
Brunswick III	Rivers Inlet	14,223	61	111	7		14,402	
Wadham's	"	18,595		127			18,722	
Wannuck	"	9,062	515	82	21		9,680	
Good Hope, A.B.C.Co.	"	12,000	382				12,382	
R.I.'s Victoria, B.C.C.C	"	14,939		173			15,112	
Totals		68,819	958	493	28			70,298
B.C. Packers Association—								
Bella Coola	Northern Coast.	2,685	2,054	128			4,867	
China Hat	"	2,642	966				3,608	
Lowe Inlet	"	5,701	1,062		775		7,538	
Hickey's	"	5,200					5,200	
Namu, R. Draney	"	2,019	2,947				4,966	
Kimsquit	"	6,491	1,416				7,907	
Totals		24,738	8,445	128	775			34,086
Mill Bay	Naas River	11,036	819	483			12,338	
Naas Harbour	"	9,446	496	932			10,874	
Totals		20,482	1,315	1,415				23,212
Alert Bay	E. Van Island	1,772	1,780		7,254		10,806	10,806
Skidegate	Queen Char. Isld	22					22	22
Clayoquot	W. Coast, V.I.	4,060	846	70		628	5,604	5,604

SUMMARY.

		Sockeye, 48-lb. cases.	Cohoes, 48-lb. cases.	Springs, 48-lb. cases.	Humpbacks, 48-lb. cases.	Qualo, 48-lb. cases.	Cannery Totals.	District Totals.
Fraser River District		295,670	29,685	1,574	269		327,198	
Skeena "		118,598	4,205	15,362	17,771		155,936	
River Inlet "		68,819	958	493	28		70,298	
Northern Coast "		24,738	8,445	128	775		34,086	
Naas River "		20,482	1,315	1,415			23,212	
Vancouver Island District		5,832	2,626	70	7,254	628	16,410	
Queen Charlotte Island District		22					22	
Totals of each variety		534,161	47,234	19,042	26,097	628		
Grand total								627,16

Table B10. Extract from Appendix 12 to the Forty-fourth Annual Report of the Department of Marine and Fisheries (1910-1911) including green landed weight by area.

SUMMARY

Of the Quantity and Value of all Fish caught and landed in a Green State; and the Quantity and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned state, &c., for **District (No. 1)**, Province of **British Columbia**, during the year 1910-11.

Kinds of Fish.		Total Quantity caught and landed in a Green State.		Total Quantity Marketed.		Total Marketed Value.
		Quantity.	Value.	Quantity.	Value.	
			$		$	$
Salmon	cwts.	321,477	1,148,133			
" used fresh	"			34,263	274,104	
" canned	cases			223,148	1,450,462	
" salted (dry)	cwts.			68,827	344,137	
" smoked	"			4,000	40,000	
						2,108,703
Cod	"	12,101	24,202			
" used fresh	"			5,661	33,966	
" green—salted	"			3,330	33,300	
" dried	"			1,000	10,000	
						77,266
Herring	"	57,309	114,618			
" used fresh	cwts.			1,588	1,588	
" smoked	"			794	7,940	
" pickled	brls.			1,794	17,940	
" used as bait	"			25,870	51,740	
						79,208
Shad	cwts.	150	450			
" used fresh	"			150		750
Halibut (fresh)	"	193,866	581,598	193,866		969,330
Flounders	"	150	300	150		750
Smelts	"	970	2,910	970		4,850
Trout	"	2,000	14,000	2,000		20,000
Oulachans	"	937	2,811	937		4,685
Sturgeon	"	5,500	16,500	5,500		27,500
Bass	"	200	600	200		1,000
Mixed Fish	cwts.	580	1,740	580		2,900
Crabs	"	1,000	2,000	1,000		4,000
Oysters	brls.	1,747	14,562	1,747		18,201
Clams	"	50	100			
" used fresh	"			50		300
Fish Oil	gallons			22,590		7,640
Fish Guano	tons			200		7,000
Total Values			1,924,524			3,334,093

Table B11. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1917, showing quantities of fish landed and marketed and the "Agencies of Production". Continued.

I. Fish Caught and Marketed, 1917.

	Fishing Districts	Salmon: Caught and landed	Salmon: Marketed: Fresh	Salmon: Marketed: Canned	Salmon: Marketed: Salted	Salmon: Marketed: Mild cured	Salmon: Marketed: Smoked	Salmon Roe: Marketed	Shad: Caught and landed	Shad: Marketed: Salted	Shad: Marketed: Fresh	Skate: Caught and landed	Skate: Marketed: Fresh	Smelts: Caught and landed	Smelts: Marketed: Fresh
	British Columbia.	cwt.	cwt.	cases	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.
	Totals for Province—Quantity	1,601,520	261,267	1,460,597	10,669	8,611	1,418	1,564	69	18	21	1,633	1,633	1,164	1,164
	Value $	9,648,028	2,541,274	14,012,369	126,122	111,943	22,323	7,820	418	300	315	4,029	10,337	11,126	14,270
1	District 1, Fraser River and Howe Sound	433,865	110,338	377,090	3,722	-	684	1,564	21	-	21	1,191	1,191	1,013	1,013
	Total quantity	433,865	110,338	377,090	3,722	-	684	1,564	21	-	21	1,191	1,191	1,013	1,013
	Total value $	4,096,740	1,223,972	3,401,997	18,818	-	12,840	7,820	148	-	315	2,703	[illegible]	8,902	12,156
2	Skeena River	252,071	1,168	292,210	-	3,679	-	-	-	-	-	-	-	-	-
3	Prince Rupert	25,748	18,127	-	77	4,932	30	-	-	-	-	305	305	-	-
4	Rivers Inlet	80,053	-	95,302	-	-	-	-	-	-	-	-	-	-	-
5	Naas River	100,373	-	119,456	-	-	-	-	-	-	-	-	-	-	-
6	North Coast	222,336	1,273	201,967	736	-	-	-	-	-	-	5	5	-	-
7	Queen Charlotte Islands	39,675	9,311	24,104	6,134	-	-	-	-	-	-	-	-	-	-
	Total quantity	720,259	29,881	703,137	6,947	8,611	30	-	-	-	-	313	313	-	-
	Total value $	2,851,036	298,810	7,133,142	107,304	111,943	300	-	-	-	-	939	3,130	-	-
8	Nanaimo	31,019	1,009	25,729	-	-	-	-	-	-	-	27	27	14	14
9	Victoria Cowichan	42,020	4,209	65,040	-	-	704	-	-	-	-	73	73	137	137
10	Alberni	103,903	24,964	90,240	-	-	-	-	-	-	-	14	14	-	-
11	Clayoquot	51,472	15,089	43,419	-	-	-	-	48	18	-	4	4	-	-
12	Quatsino	9,767	350	11,211	-	-	-	-	-	-	-	-	-	-	-
13	Alert Bay	29,550	274	34,000	-	-	-	-	-	-	-	-	-	-	-
14	Quathiaski	41,476	5,320	42,004	-	-	-	-	-	-	-	-	-	-	-
15	Comox	214	214	-	-	-	-	-	-	-	-	6	6	-	-
16	Pender Harbour	83,300	17,048	84,096	-	-	-	-	-	-	-	2	2	-	-
	Not included above	32,110	32,110	-	-	-	-	-	-	-	-	-	-	-	-
	Total quantity	447,396	121,048	380,370	-	-	704	-	48	18	-	129	129	151	151
	Total value $	2,700,252	1,018,492	3,477,230	-	-	9,183	-	270	300	-	387	[illegible]	2,224	2,114

	Fishing Districts	Soles: Caught and landed	Soles: Marketed: Fresh	Sturgeon: Caught and landed	Sturgeon: Marketed: Fresh	Trout: Caught and landed	Trout: Marketed: Fresh	Whales: Caught and landed	Whale Oil	Whiting: Caught and landed	Whiting: Marketed: Fresh	Whiting: Marketed: Smoked	Witches: Caught and landed	Witches: Marketed: Fresh
	British Columbia.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	no.	gal.	cwt.	cwt.	cwt.	cwt.	cwt.
	Totals for Province—Quantity	7,806	7,806	445	445	416	416	372	346,995	545	345	200	5	5
	Value $	27,536	78,649	5,560	9,790	4,160	18,300	195,882	342,267	1,777	1,725	1,000	15	50
1	District I—Fraser River and Howe Sound	1,500	1,500	445	445	-	-	-	-	67	67	-	-	-
	Total quantity	1,500	1,500	445	445	-	-	-	-	67	67	-	-	-
	Total value $	8,000	15,000	5,560	9,790	-	-	-	-	343	335	-	-	-
2	Skeena River	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Prince Rupert	5,717	5,717	-	-	-	-	-	-	478	278	200	5	5
4	Rivers Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Naas River	-	-	-	-	-	-	-	-	-	-	-	-	-
6	North Coast	-	-	-	-	-	-	100	146,975	-	-	-	-	-
7	Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total quantity	5,717	5,717	-	-	-	-	100	146,975	478	278	200	5	5
	Total value	17,151	57,170	-	-	-	-	79,800	110,227	1,434	1,390	1,000	15	50
8	Nanaimo	240	240	-	-	43	43	-	-	-	-	-	-	-
9	Victoria Cowichan	201	201	-	-	254	254	-	-	-	-	-	-	-
10	Alberni	9	9	-	-	88	88	90	91,178	-	-	-	-	-
11	Clayoquot	33	33	-	-	-	-	-	-	-	-	-	-	-
12	Quatsino	-	-	-	-	-	-	182	108,842	-	-	-	-	-
13	Alert Bay	22	22	-	-	-	-	-	-	-	-	-	-	-
14	Quathiaski	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Comox	-	-	-	-	31	31	-	-	-	-	-	-	-
16	Pender Harbour	84	84	-	-	10	10	-	-	-	-	-	-	-
	Not included above	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total quantity	589	589	-	-	416	416	272	200,020	-	-	-	-	-
	Total value $	2,385	6,479	-	-	4,160	18,300	116,082	232,040	-	-	-	-	-

Table B11. Continued.

[illegible] of Production 1917—Part 1. In Primary Operations.

	Districts	Steam Fishing Vessels			Sailing and Gasoline Vessels		Men on Vessels
		No.	Tonnage	Value $	No.	Value $	No.
	British Columbia.						
	District I—						
1	Fraser River and Howe Sound	11	204,800	968	87	181,800	770
	Totals for District						
	District II—						
2	Skeena River	–	–	–	34	111,200	80
3	Prince Rupert	3	237	147,092	37	281,787	327
4	Rivers Inlet	4	91	18,000	28	78,000	36
5	Naas River	–	–	–	27	85,750	31
6	North Coast	2	65	21,000	69	120,900	138
7	Queen Charlotte Islands	3	111	106,000	16	187,800	119
	Totals for District	12	504	292,092	211	877,742	731
	District III—						
8	Nanaimo	–	–	–	19	49,915	100
9	Victoria-Cowichan	1	80	30,000	3	43,000	34
10	Alberni	4	207	156,000	34	181,600	109
11	Clayoquot	–	–	–	6	48,000	52
12	Quatsino	2	70	70,000	6	3,100	29
13	Alert Bay	–	–	–	7	22,800	23
14	Quathiaski	–	–	–	10	84,000	27
15	Comox	–	–	–	1	2,000	7
16	Pender Harbour	–	–	–	6	38,700	36
	Totals for District	7	357	346,000	78	432,815	486
	Totals for Province	30	1,084	887,583	310	1,618,368	[illegible]

II- Agencies of Production 1917—Part 1. In Primary Operations.

Districts	Boats		Boats			Carrying Smacks and Scows.			Gill Nets, Seines, etc.		Skates of Halibut Gear		
	Sail		Gasoline										
	No.	Value $	No.	Value $	Men	No.	Value $	Men	No.	Value $	No.	Value $	
Fraser River and Howe Sound; Totals for District	800	30,182	1,300	749,000	4,882	–	–	–	3,841	750,935	4,220	42,200	1
Skeena River	727	73,700	–	–	1,474	–	–	–	977	296,500	–	–	2
Prince Rupert	80	8,000	700	300,000	320	–	–	–	186	32,000	2,000	44,200	3
Rivers Inlet	700	23,000	–	–	700	–	–	–	732	226,500	–	–	4
Naas River	371	27,100	–	–	342	–	–	–	812	163,000	–	–	5
North Coast	383	35,300	–	–	677	–	–	–	253	119,400	–	–	6
Queen Charlotte Islands	272	16,100	220	163,300	806	–	–	–	32	15,300	–	–	7
Totals for District	2,303	184,200	470	363,300	4,710	–	–	–	2,734	853,700	2,032	44,200	
Nanaimo	–	–	181	134,250	282	73	18,730	–	202	39,375	–	–	8
Victoria-Cowichan	–	–	74	71,850	134	29	8,000	40	66	78,750	–	–	9
Alberni	21	2,040	134	86,900	173	11	16,400	–	109	20,900		–	10
Clayoquot	21	840	30	18,000	128	–	–	–	84	12,850	–	–	11
Quatsino	10	400	3	5,600	23	–	–	–	11	7,100	–	–	12
Alert Bay	79	8,550	25	9,300	130	2	400	–	69	10,210	–	–	13
Quathiaski	41	1,720	54	27,000	144	11	2,650	–	66	12,900	–	–	14
Comox	9	450	11	5,100	30	1	1,000	2	10	2,625	–	–	15
Pender Harbour	44	1,085	204	122,250	607	48	97,050	58	218	33,850	–	–	16
Totals for District	220	12,085	867	480,050	1,777	168	144,830	100	827	224,400	–	–	
Totals for Province	3,479	286,470	3,177	1,681,250	11,376	169	144,830	100	7,402	1,872,115	6,252	86,400	

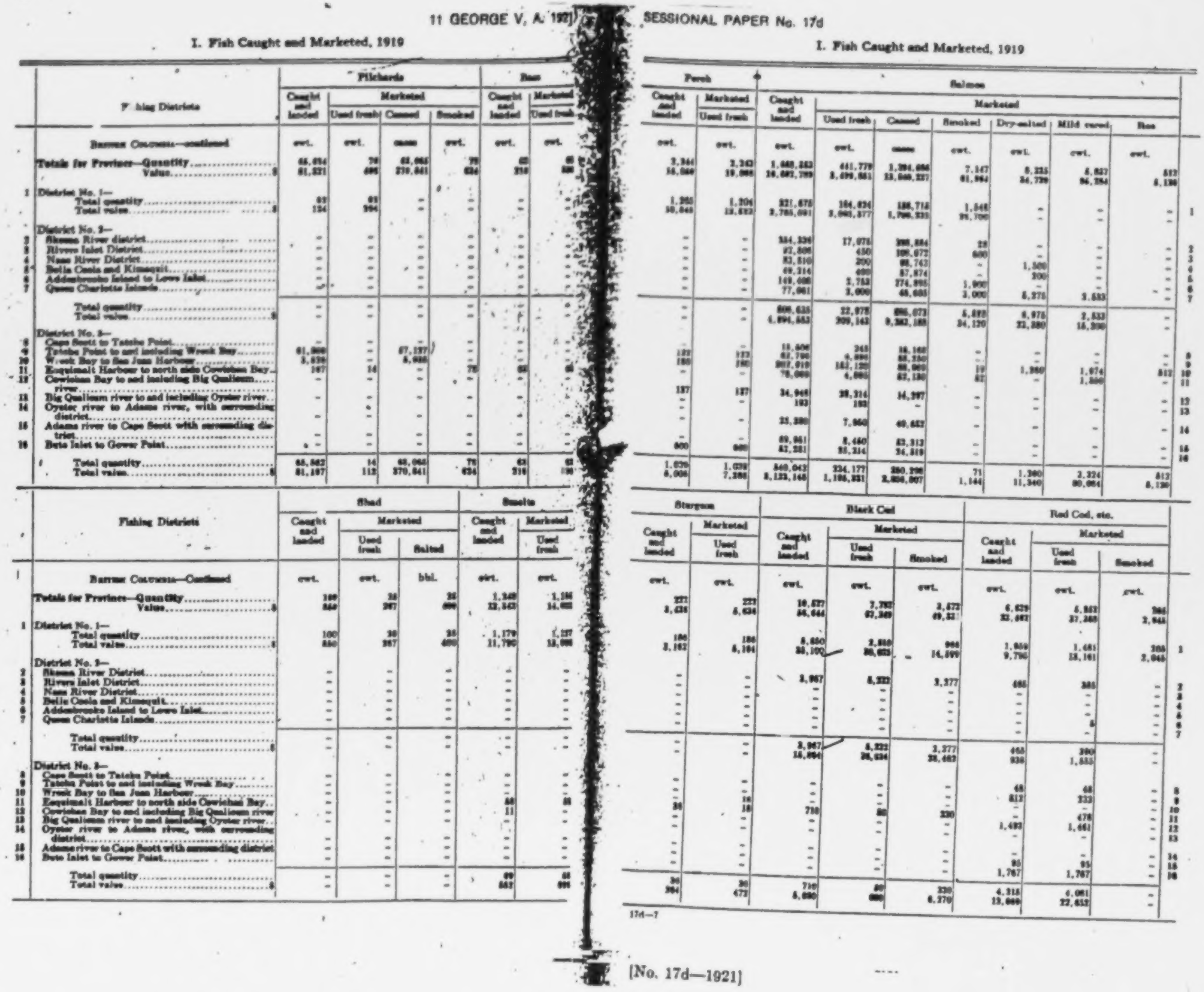
	Districts	Trawles		Hand Lines		Crab Traps	
		No.	Value $	No.	Value $	No.	Value $
	British Columbia.						
	District I—						
1	Fraser River and Howe Sound	5	600	800	2,540	1,140	5,700
	Totals for District	5	600	800	2,540	1,140	5,700
	District II—						
2	Skeena River	–	–	–	–	–	–
3	Prince Rupert	–	–	–	–	–	–
4	Rivers Inlet	–	–	2,000	4,000	–	–
5	Naas River	–	–	–	–	–	–
6	North Coast	–	–	–	–	–	–
7	Queen Charlotte Islands	–	–	1,434	2,800	–	–
	Totals for District	–	–	3,434	6,800	–	–
	District III—						
8	Nanaimo	–	–	300	415	–	–
9	Victoria-Cowichan	–	–	822	3,080	–	–
10	Alberni	–	–	240	600	–	–
11	Clayoquot	–	–	114	1,788	–	–
12	Quatsino	–	–	30	75	–	–
13	Alert Bay	–	–	160	600	–	–
14	Quathiaski	–	–	340	800	–	–
15	Comox	–	–	100	315	–	–
16	Pender Harbour	–	–	344	1,080	–	–
	Totals for District	–	–	2,310	7,273	–	–
	Totals for Province	5	600	6,350	16,681	1,140	5,700

Districts	Crab Establishments.		Salmon Traps		No. of Men	Freezers and Ice-Houses		Whaling Stations		Piers and Wharves*		Oyster Establishments		
	No.	Value $	No.	Value $		No.	Value $	No.	Value $	No.	Value $	No.	Value $	
Fraser River and Howe Sound	2	1,200	–	–	104	6	834,500	–	–	12	30,347	1	15,400	1
Totals for District	2	1,200	–	–	104	6	834,500	–	–	12	30,347	1	15,400	
Skeena River	–	–	–	–	35	4	133,000	–	–	13	131,000	–	–	2
Prince Rupert	–	–	–	–	10	1	450,000	–	–	2	22,000	–	–	3
Rivers Inlet	–	–	2	10,000	–	–	–	–	–	9	74,000	–	–	4
Naas River	–	–	–	–	8	1	34,000	–	–	7	45,000	–	–	5
North Coast	–	–	–	–	10	1	45,000	–	–	12	78,000	–	–	6
Queen Charlotte Islands	–	–	–	–	46	2	120,000	2	75,865	6	36,000	–	–	7
Totals for District	–	–	2	10,000	109	9	782,000	2	73,865	49	389,000	–	–	
Nanaimo	–	–	–	–	–	–	–	–	–	2	4,000	–	–	8
Victoria-Cowichan	–	–	–	–	19	2	75,000	–	–	10	31,500	–	–	9
Alberni	–	–	–	–	42	2	182,500	1	42,000	6	20,000	–	–	10
Clayoquot	–	–	–	–	–	–	–	–	–	2	3,000	–	–	11
Quatsino	–	–	–	–	12	–	–	1	82,000	2	5,000	–	–	12
Alert Bay	–	–	–	–	4	1	8,000	–	–	3	9,200	–	–	13
Quathiaski	–	–	–	–	2	1	1,000	–	–	3	1,800	–	–	14
Comox	–	–	–	–	–	–	–	–	–	–	–	–	–	15
Pender Harbour	–	–	–	–	–	–	–	–	–	2	1,200	–	–	16
Totals for District	–	–	–	–	79	6	336,500	2	85,000	29	84,700	–	–	
Totals for Province	2	1,200	2	10,000	292	21	1,953,000	4	170,865	90	504,047	1	15,400	

*Includes 8 salmon trolling gear, value 840.

....	877,148	133,472	276,519	218,294	782,438	179,222	381,314	217,984	672,000	117,725

Table B12. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1919, showing quantities of fish landed and marketed.



11 GEORGE V, A. 1921

SESSIONAL PAPER No. 17d

I. Fish Caught and Marketed, 1919

Fishing Districts

British Columbia—continued

Pilchards; Bass; Perch; Salmon; Shad; Smelts; Sturgeon; Black Cod; Red Cod, etc.

Totals for Province—Quantity / Value

District No. 1—Total quantity / Total value

District No. 2—
2 Skeena River district
3 Rivers Inlet District
4 Nass River District
5 Bella Coola and Kimsquit
6 Addenbrooke Island to Lowe Inlet
7 Queen Charlotte Islands

District No. 3—
8 Cape Scott to Tatchu Point
9 Tatchu Point to and including Wreck Bay
10 Wreck Bay to San Juan Harbour
11 Esquimalt Harbour to north side Cowichan Bay
12 Cowichan Bay to and including Big Qualicum river
13 Big Qualicum river to and including Oyster river
14 Oyster river to Adams river, with surrounding district
15 Adams river to Cape Scott with surrounding district
16 Bute Inlet to Gower Point

17d—7

[No. 17d—1921]

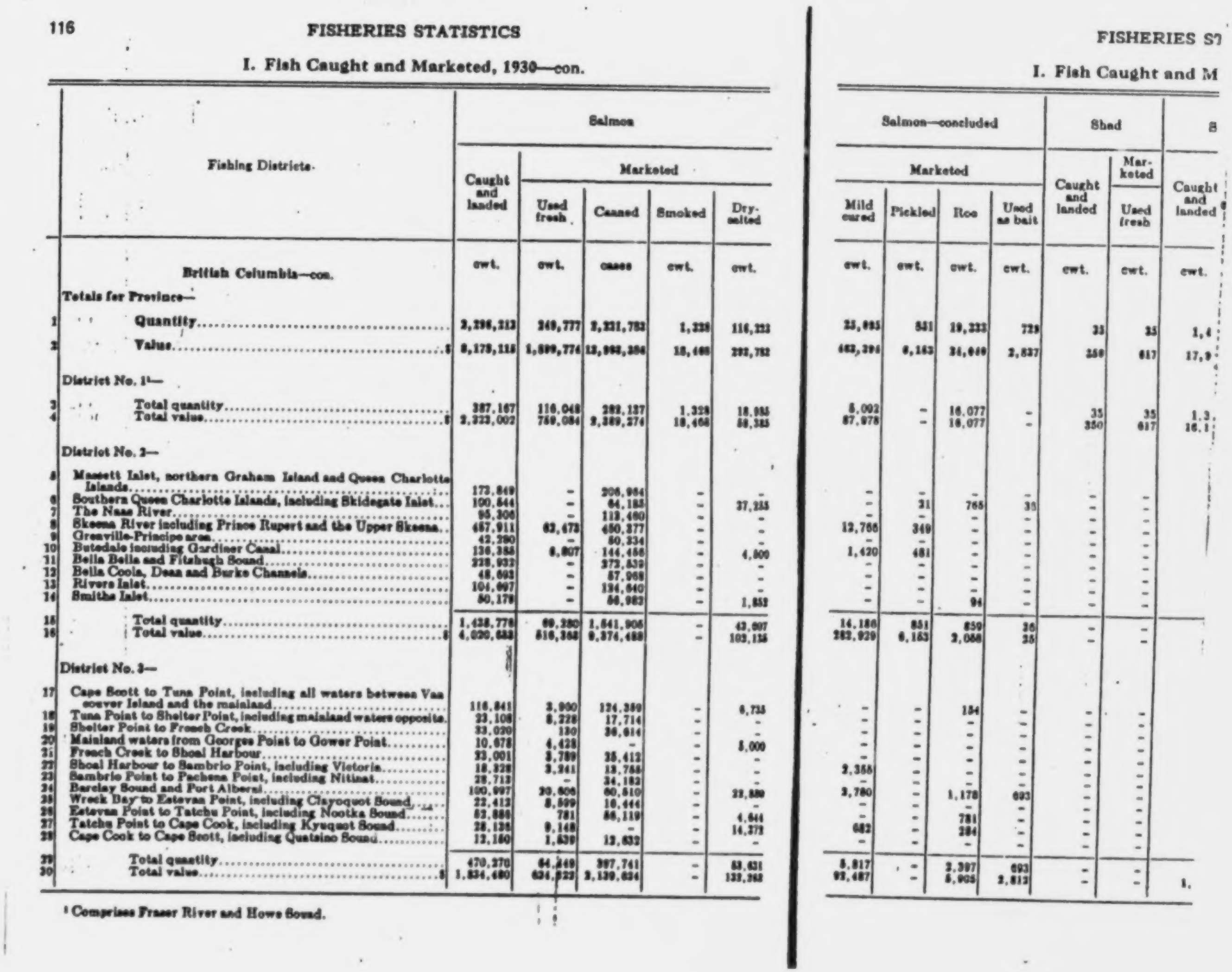
Table B13. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1928, showing quantities of fish landed and marketed.

1. Fish Caught and Marketed, 1928—con.

1928

	Fishing Districts	Perch		Salmon			Salmon—con.						Smelts		Sturgeon		Trout		
		Caught and landed	Marketed	Caught and landed	Marketed		Marketed						Caught and landed	Marketed	Caught and landed	Marketed	Caught and landed	Marketed	
			Used fresh		Used fresh	Canned	Smoked	Dry-salted	Mild cured	Pickled	Roe	Used as bait		Used fresh		Used fresh		Used fresh	
		cwt.	cwt.	cwt.	cwt.	[illegible]	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	
	British Columbia—con.																		
1	Totals for Province—Quantity	1,425	1,425	2,257,455	283,131	[illegible]	836	170,252	21,467	10,520	3,001	158	782	782	279	279	55	55	1
2	Value $	8,135	12,389	8,173,841	2,525,097	[illegible]	7,294	674,759	505,301	153,265	10,725	801	9,635	11,723	4,870	6,238	660	832	2
	District No. 1—																		
3	Vancouver District	832	832	220,851	108,617	[illegible]	836	-	1,536	-	-	-	667	667	217	217	55	55	3
4	New Westminster District	14	14	160,046	15,108	[illegible]	-	19,678	1,884	-	535	-	-	-	35	35	-	-	4
5	Total quantity	846	846	380,897	123,725	[illegible]	836	19,678	3,420	-	535	-	667	667	252	252	55	55	5
6	Total value $	5,188	8,254	2,274,176	957,899	[illegible]	7,294	109,923	69,425	-	1,805	-	8,671	10,190	4,606	5,995	660	832	6
	District No. 2—																		
7	Nass River to but not including Prince Rupert	-	-	88,067	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	7
8	Prince Rupert	-	-	47,865	44,943	[illegible]	-	-	1,509	236	-	-	30	30	-	-	-	-	8
9	From Prince Rupert to Ogden Channel included (including Skeena River)	-	-	271,721	5,785	[illegible]	-	-	10,016	-	-	-	-	-	-	-	-	-	9
10	From Ogden Channel to Wright Sound	-	-	42,728	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	10
11	Wright Sound, Douglas Channel, Gardiner Canal, Butedale to Swanson Bay	-	-	104,982	2,216	[illegible]	-	-	849	-	-	-	-	-	-	-	-	-	11
12	Swanson Bay to White Rock, Millbank Sound	-	-	20,913	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	12
13	From White Rock to Fisher Channel	-	-	103,322	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	13
14	Dean and Burke Channels	-	-	48,733	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	14
15	Fisher Channel and Fitzhugh Sound to Addenbrooke Island	-	-	141,717	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	15
16	Rivers Inlet (Addenbrooke Id. to Canoe Rock)	-	-	68,483	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	16
17	Smiths Inlet (Canoe Rock to Cape Caution)	-	-	24,813	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	17
18	Skidegate Inlet, Q.C.I.	-	-	46,889	-	[illegible]	-	6,912	-	-	100	-	-	-	-	-	-	-	18
19	Graham Island, excepting Skidegate Inlet, Q.C.I.	-	-	121,824	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	19
20	Moresby Island, excepting Skidegate Inlet, Q.C.I.	-	-	95,426	-	[illegible]	-	37,667	-	-	-	-	-	-	-	-	-	-	20
21	Total quantity	-	-	1,226,923	83,944	[illegible]	-	44,579	12,373	236	100	-	30	30	-	-	-	-	21
22	Total value $	-	-	3,282,534	670,164	[illegible]	-	142,728	336,189	3,540	640	-	240	480	-	-	-	-	22
	District No. 3—																		
23	Cape Scott to Cape Cook included, Quatsino Sound	-	-	40,618	92	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	23
24	Cape Cook to Tatchu Point included, Kyuquot Sound	-	-	24,579	9,649	-	-	11,944	-	-	-	-	-	-	-	-	-	-	24
25	Tatchu Point to Estevan Point included, Esperanza Inlet and Nootka Sound	-	-	90,270	2,133	[illegible]	-	8,840	-	-	-	-	-	-	-	-	-	-	25
26	Estevan Point to and including Wreck Bay, (Sidney Inlet and Clayoquot Sound)	180	180	23,149	7,965	[illegible]	-	-	-	-	-	-	-	-	2	2	-	-	26
27	From Wreck Bay to San Juan Harbour included	60	60	108,777	4,914	[illegible]	-	63,748	-	3,784	1,781	158	-	-	3	3	-	-	27
28	From San Juan Harbour to Victoria	-	-	22,485	7,067	[illegible]	-	-	5,674	-	-	-	-	-	12	12	-	-	28
29	Victoria	-	-	2,138	2,138	-	-	-	-	-	-	-	-	-	10	10	-	-	29
30	From Victoria to Separation Point	-	-	288	288	-	-	-	-	-	-	-	66	66	-	-	-	-	30
31	From Separation Point to Nanaimo	13	13	682	682	[illegible]	-	-	-	-	-	-	13	13	-	-	-	-	31
32	Nanaimo and coast to French Creek	47	47	20,887	1,909	[illegible]	-	-	-	3,170	-	-	6	6	-	-	-	-	32
33	French Creek and coast to Oyster River included	-	-	34,358	7,958	[illegible]	-	-	-	3,330	-	-	-	-	-	-	-	-	33
34	From Oyster River to Adams River and including mainland waters opposite	-	-	31,180	24,255	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	34
35	Adams River to but not including Alert Bay and including mainland waters opposite	-	-	54,144	348	[illegible]	-	7,524	-	-	585	-	-	-	-	-	-	-	35
36	Alert Bay	-	-	20,823	2,122	[illegible]	-	6,900	-	-	-	-	-	-	-	-	-	-	36
37	From Alert Bay to Cape Scott and including mainland waters opposite	-	-	20,225	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	37
38	North Side of Toba Inlet to Grief Point	101	101	1,976	1,970	-	-	-	-	-	-	-	-	-	-	-	-	-	38
39	Grief Point to Gower Point	208	208	12,026	1,970	-	-	8,040	-	-	-	-	-	-	-	-	-	-	39
40	Total quantity	579	579	649,635	75,461	[illegible]	-	105,995	5,674	10,284	2,366	158	85	85	27	27	-	-	40
41	Total value $	2,947	4,135	2,617,131	897,034	[illegible]	-	422,108	99,687	149,725	8,280	801	724	1,053	264	243	-	-	41

Table B14. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1930, showing quantities of fish landed and marketed.



116 FISHERIES STATISTICS

I. Fish Caught and Marketed, 1930—con.

	Fishing Districts.	Salmon				
		Caught and landed	Marketed			
			Used fresh	Canned	Smoked	Dry-salted
	British Columbia—con.	cwt.	cwt.	cases	cwt.	cwt.
	Totals for Province—					
1	Quantity	2,296,213	249,777	2,321,783	1,328	116,323
2	Value $	8,178,115	1,899,774	12,982,386	18,468	292,782
	District No. 1[1]—					
3	Total quantity	387,167	116,048	282,137	1,328	18,985
4	Total value $	2,322,002	759,084	2,389,274	18,468	58,385
	District No. 2—					
5	Masset Inlet, northern Graham Island and Queen Charlotte Islands	173,849	-	206,984	-	-
6	Southern Queen Charlotte Islands, including Skidegate Inlet	100,844	-	64,185	-	37,255
7	The Nass River	95,306	-	113,490	-	-
8	Skeena River including Prince Rupert and the Upper Skeena	457,911	62,473	480,377	-	-
9	Grenville-Principe area	42,290	-	50,334	-	-
10	Butedale including Gardiner Canal	136,386	6,807	144,456	-	4,000
11	Bella Bella and Fitzhugh Sound	228,932	-	273,539	-	-
12	Bella Coola, Dean and Burke Channels	48,603	-	57,968	-	-
13	Rivers Inlet	104,097	-	134,840	-	-
14	Smiths Inlet	50,179	-	56,982	-	1,852
15	Total quantity	1,438,778	69,280	1,641,905	-	42,907
16	Total value $	4,020,633	616,368	9,374,488	-	103,125
	District No. 3—					
17	Cape Scott to Tuna Point, including all waters between Vancouver Island and the mainland	116,841	3,900	124,380	-	6,735
18	Tuna Point to Shelter Point, including mainland waters opposite	23,108	8,228	17,714	-	-
19	Shelter Point to French Creek	33,030	130	36,014	-	-
20	Mainland waters from Georges Point to Gower Point	10,078	4,428	-	-	5,000
21	French Creek to Shoal Harbour	33,001	3,789	35,412	-	-
22	Shoal Harbour to Sambrio Point, including Victoria	18,328	3,241	13,758	-	-
23	Sambrio Point to Pachena Point, including Nitinat	28,712	-	34,182	-	-
24	Barclay Sound and Port Alberni	100,997	30,806	60,510	-	22,880
25	Wreck Bay to Estevan Point, including Clayoquot Sound	22,412	8,509	10,444	-	-
26	Estevan Point to Tatchu Point, including Nootka Sound	52,886	781	56,119	-	4,644
27	Tatchu Point to Cape Cook, including Kyuquot Sound	28,135	9,148	-	-	14,273
28	Cape Cook to Cape Scott, including Quatsino Sound	12,180	1,839	12,632	-	-
29	Total quantity	470,270	64,449	397,741	-	53,431
30	Total value $	1,834,480	624,523	2,139,634	-	132,368

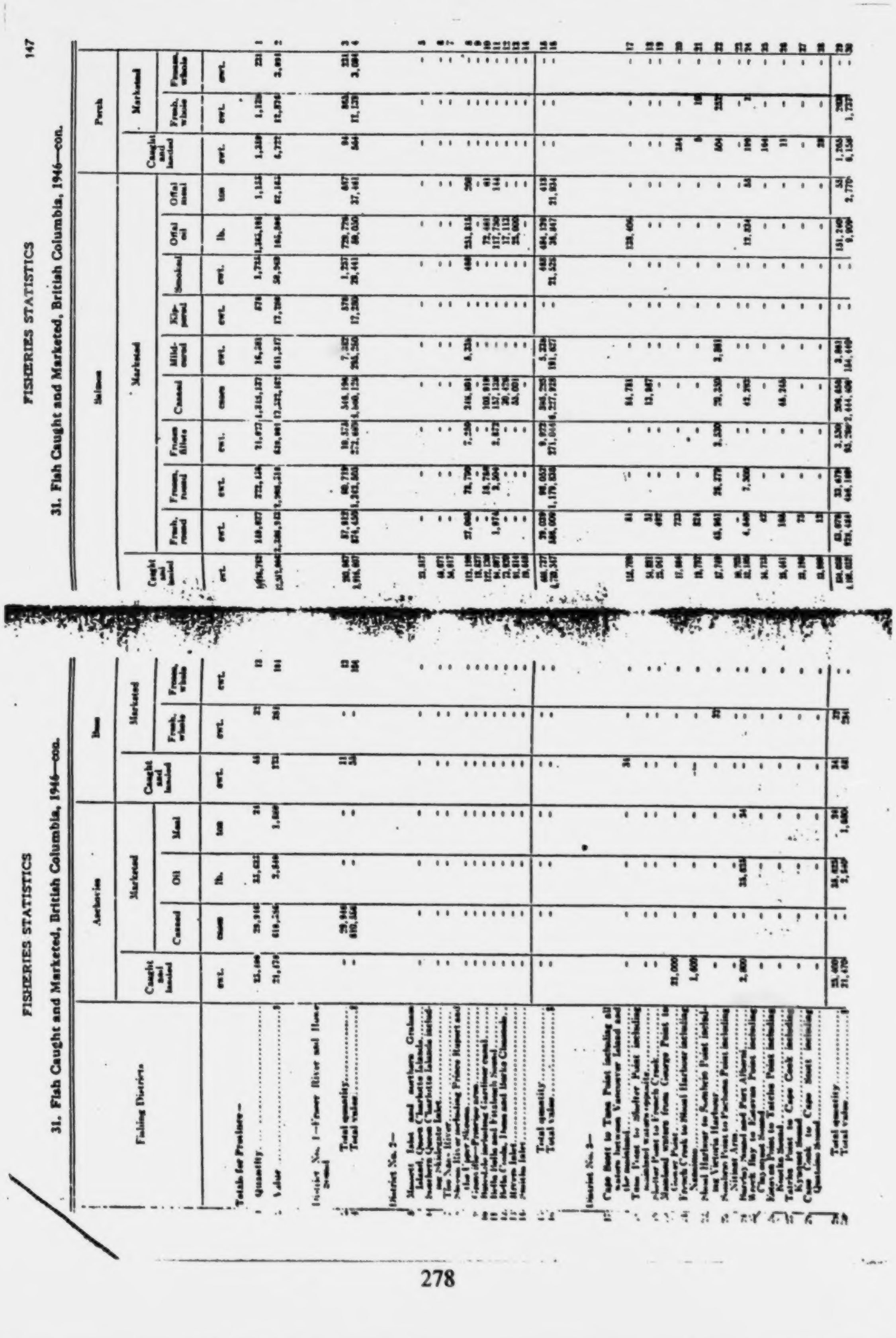
[1] Comprises Fraser River and Howe Sound.

FISHERIES S

I. Fish Caught and M

Salmon—concluded				Shad		S
Marketed				Caught and landed	Marketed	Caught and landed
Mild cured	Pickled	Roe	Used as bait		Used fresh	
cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.
25,985	851	19,233	729	35	35	1,4
463,394	6,163	24,049	2,837	350	617	17,9
5,002	-	16,077	-	35	35	1,3
87,978	-	16,077	-	350	617	16,1
-	-	-	-	-	-	
-	31	765	35	-	-	
-	-	-	-	-	-	
12,766	349	-	-	-	-	
-	-	-	-	-	-	
1,420	481	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	94	-	-	-	
14,186	851	859	36	-	-	
282,929	6,163	2,068	25	-	-	
-	-	154	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
2,358	-	-	-	-	-	
-	-	-	-	-	-	
3,780	-	1,178	693	-	-	
-	-	-	-	-	-	
-	-	781	-	-	-	
682	-	284	-	-	-	
-	-	-	-	-	-	
5,817	-	2,307	693	-	-	
93,487	-	5,905	2,812	-	-	1,

Table B15. Extract from the Dominion Bureau of Statistics Census of Industry, Fisheries Statistics of Canada for 1946, showing quantities of fish landed and marketed.



FISHERIES STATISTICS

31. Fish Caught and Marketed, British Columbia, 1946—con.

Fishing Districts	Anchovies: Caught and landed	Anchovies: Marketed: Canned	Anchovies: Marketed: Oil	Anchovies: Marketed: Meal	Bass: Caught and landed	Bass: Marketed: Fresh, whole	Bass: Marketed: Frozen, whole
	cwt.	cases	lb.	ton	cwt.	cwt.	cwt.
Totals for Province—							
1 Quantity	25,400	29,946	35,632	24	45	22	12
2 Value $	21,470	610,256	2,840	1,880	103	251	104
District No. 1—Fraser River and Howe Sound							
3 Total quantity	-	29,946	-	-	11	-	12
4 Total value $	-	610,556	-	-	35	-	104
District No. 2—							
5 Masset Inlet and northern Graham Island, Queen Charlotte Islands	-	-	-	-	-	-	-
6 Southern Queen Charlotte Islands including Skidegate Inlet	-	-	-	-	-	-	-
7 The Nass River	-	-	-	-	-	-	-
8 Skeena River including Prince Rupert and the Upper Skeena	-	-	-	-	-	-	-
9 Grenville—Principe area	-	-	-	-	-	-	-
10 Butedale including Gardner canal	-	-	-	-	-	-	-
11 Bella Bella and Fitzhugh Sound	-	-	-	-	-	-	-
12 Bella Coola, Dean and Burke Channels	-	-	-	-	-	-	-
13 Rivers Inlet	-	-	-	-	-	-	-
14 Smith Inlet	-	-	-	-	-	-	-
15 Total quantity	-	-	-	-	-	-	-
16 Total value $	-	-	-	-	-	-	-
District No. 3—							
17 Cape Scott to Tuna Point including all waters between Vancouver Island and the mainland	-	-	-	-	34	-	-
18 Tuna Point to Shelter Point including mainland waters opposite	-	-	-	-	-	-	-
19 Shelter Point to French Creek	-	-	-	-	-	-	-
20 Mainland waters from George Point to Gower Point	21,000	-	-	-	-	-	-
21 French Creek to Shoal Harbour including Nanaimo	1,600	-	-	-	-	-	-
22 Shoal Harbour to Sombrio Point including Victoria Harbour	-	-	-	-	-	22	-
23 Sombrio Point to Pachena Point including Nitinat Arm	-	-	-	-	-	-	-
24 Barkley Sound and Port Alberni	2,800	-	35,632	24	-	-	-
25 Wreck Bay to Estevan Point including Clayoquot Sound	-	-	-	-	-	-	-
26 Estevan Point to Tatchu Point including Nootka Sound	-	-	-	-	-	-	-
27 Tatchu Point to Cape Cook including Kyuquot Sound	-	-	-	-	-	-	-
28 Cape Cook to Cape Scott including Quatsino Sound	-	-	-	-	-	-	-
29 Total quantity	25,400	-	35,632	24	34	22	-
30 Total value $	21,470	-	2,840	1,880	68	234	-

FISHERIES STATISTICS 147

31. Fish Caught and Marketed, British Columbia, 1946—con.

Salmon: Caught and landed	Salmon: Marketed: Fresh, round	Frozen, round	Frozen fillets	Canned	Mild-cured	Kippered	Smoked	Offal oil	Offal meal	Perch: Caught and landed	Perch: Marketed: Fresh, whole	Perch: Marketed: Frozen, whole	
cwt.	cwt.	cwt.	cwt.	cases	cwt.	cwt.	cwt.	lb.	ton	cwt.	cwt.	cwt.	
1,036,762	149,027	272,126	21,072	1,313,127	16,201	578	1,725	1,362,108	1,122	1,259	1,128	221	1
12,517,866	2,280,342	2,965,218	629,061	17,222,167	611,217	17,280	50,969	165,566	67,162	6,722	12,876	3,084	2
290,967	37,912	80,719	10,574	548,196	7,282	578	1,237	729,776	657	94	862	221	3
3,916,857	874,450	1,263,503	272,669	4,640,124	295,250	17,280	29,441	80,030	37,461	564	11,139	3,084	4
23,317	-	-	-	-	-	-	-	-	-	-	-	-	5
48,071	-	-	-	-	-	-	-	-	-	-	-	-	6
34,017	-	-	-	-	-	-	-	-	-	-	-	-	7
113,199	27,065	73,790	7,250	216,501	5,226	-	488	251,815	298	-	-	-	8
12,427	-	-	-	-	-	-	-	-	-	-	-	-	9
172,130	-	18,760	-	103,919	-	-	-	72,461	61	-	-	-	10
94,987	1,974	3,504	2,872	157,138	-	-	-	117,730	144	-	-	-	11
73,920	-	-	-	30,426	-	-	-	17,112	-	-	-	-	12
91,814	-	-	-	55,001	-	-	-	25,000	-	-	-	-	13
29,648	-	-	-	-	-	-	-	-	-	-	-	-	14
660,737	29,039	98,052	9,922	366,295	5,226	-	488	484,139	413	-	-	-	15
4,730,347	386,009	1,179,838	271,044	6,227,928	191,627	-	21,528	36,847	21,934	-	-	-	16
118,789	81	-	-	84,781	-	-	-	128,406	-	-	-	-	17
34,881	32	-	-	13,967	-	-	-	-	-	-	-	-	18
25,061	492	-	-	-	-	-	-	-	-	-	-	-	19
17,864	723	-	-	-	-	-	-	-	-	284	-	-	20
19,752	824	-	-	-	-	-	-	-	-	8	10	-	21
37,749	43,961	26,279	3,530	70,250	3,861	-	-	-	-	504	252	-	22
16,705	-	-	-	-	-	-	-	-	-	-	-	-	23
32,188	4,640	7,300	-	42,292	-	-	-	17,834	55	199	2	-	24
34,715	47	-	-	-	-	-	-	-	-	164	-	-	25
25,461	164	-	-	46,265	-	-	-	-	-	11	-	-	26
22,190	73	-	-	-	-	-	-	-	-	-	-	-	27
13,909	12	-	-	-	-	-	-	-	-	28	-	-	28
184,058	43,078	33,479	3,530	206,650	3,861	-	-	151,240	55	1,265	262	-	29
1,195,032	928,424	466,168	93,750	2,444,406	154,449	-	-	9,909	2,770	6,158	1,737	-	30

Table B16. Extract from the Dominion Bureau of Statistics, Fisheries Statistics of Canada for 1949 and 1950 showing quantities of fish landed and marketed in British Columbia. Continued.

TABLE 74. Landings and Manufactured Fishery Products Marketed, British Columbia, 1949-1950 – Continued

TABLEAU 74. Débarquements et produits manufacturés de la pêche mis sur le marché, Colombie-Britannique, 1949-1950 – suite

Kind of Fish and Product — Espèce de poisson et produit	Unit of measure — Unité de mesure	Sea Fisheries – Pêcheries maritimes			
		1949		1950	
		Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur
			$'000		$'000
Octopus, landed – Poulpe, débarqué	'000 lb. – liv.	47	2.7	19	1.3
Marketed – Vendu:					
Fresh – Frais	"	31	4.1	7	1.0
Frozen – Gelé	"	16	2.1	12	1.7
Total value marketed – Total, valeur marchande		–	6.2	–	2.7
Other items, landed – Autres items, débarqués			255.0		314.0
Oysters, landed – Huitres, débarquées	bbl. – bri	21.452	233.9	25,383	287.8
Marketed – Vendues:					
Fresh – Fraiches	"	24	.2	555	5.5
Shucked (meat) – Ecaillées	gal. – gall	59,753	239.1	62,710	274.9
Canned – En conserve	cases – caisses	1.030	43.3	2.008	73.0
Total value marketed – Total, valeur marchande		–	282.6	–	353.4
Perch, landed – Perche, débarquée	'000 lb. – liv.	36	1.7	62	5.6
Marketed – Vendue:					
Fresh – Fraiche	"	31	4.0	54	6.7
Frozen – Gelée	"	5	.6	7	1.0
Total value marketed – Total, valeur marchande		–	4.6	–	7.7
Ratfish livers, landed – Foies de Rat de mer, débarqués	'000 lb. – liv.	11	.3	–	–
Marketed – Vendus:					
Livers – Foies	"	–	–	–	–
Liver oil – Huile de foie	"	7	.7	–	–
Total value marketed – Total, valeur marchande		–	.7	–	–
Red and rock cod – See rockfish – Morue de roche – Voir Rockfish					
Rockfish, landed – Morue de roche, débarquée	"	1,550	56.7	680	23.2
Livers, landed – Foies, débarqués	"	21	33.9	4	1.6
Viscera, landed – Viscères, débarquées	"	1	.1	–	–
Marketed – Vendue:					
Fresh, dressed – Fraiche, habillée	"	247	20.5	162	14.5
Frozen, dressed – Gelée, habillée	"	188	14.5	30	1.9
Fresh fillets – Filets frais	"	175	39.5	41	10.0
Frozen fillets – Filets gelés	"	178	36.5	111	26.9
Smoked fillets – Filets fumés	"	20	5.6	–	–
Livers – Foies	"	1	1.8	1	.9
Liver oil, vitamin – Huile de foie, vitamine	"	1	22.3	–	.2
Visceral oil, vitamin – Huile de viscères, vitamine	"	–	.1	–	–
Total value marketed – Total, valeur marchande		–	140.8	–	54.4
Sablefish, landed – Cabillaud, débarqué	"	2.786	246.6	955	127.3
Livers, landed – Foies débarqués	"	81	146.1	29	32.5
Viscera, landed – Viscères, débarquées	"	109	40.4	10	1.0
Marketed – Vendu:					
Fresh, dressed – Frais, habillé	"	110	15.8	28	4.7
Frozen, dressed – Gelé, habillé	"	1.968	314.5	408	61.1
Smoked – Fumé	"	299	88.4	380	136.6
Smoked fillets – Filets fumés	"	12	3.7	33	12.4
Salted – Salé	"	40	8.8	2	.4
Livers – Foies	"	2	3.0	2	1.4
Liver oil, vitamin – Huile de foie, vitamine	"	13	148.4	22	45.9
Visceral oil, vitamin – Huile de viscères, vitamine	"	2	49.3	1	1.4
Total value marketed – Total, valeur marchande		–	631.9	–	263.9
Salmon, landed – Saumon, débarqué	"	147,368	15,655.8	184,699	24,335.9
Livers, landed – Foies, débarqués	"	24	2.4	–	–
Marketed – Vendu:					
Fresh, dressed – Frais, habillé	"	12,711	2,701.7	37,221	9,013.0
Frozen, dressed – Gelé, habillé	"	18,260	4,321.3	21,775	6,562.7
Frozen fillets – Filets gelés	"	648	239.0	1,460	389.8
Frozen round – Gelé, entier	"	1,352	176.4	584	117.4

Table B16. Continued.

TABLE 74. Landings and Manufactured Fishery Products Marketed, British Columbia, 1949-1950 – Concluded

TABLEAU 74. Débarquements et produits manufacturés de la pêche mis sur le marché, Colombie-Britannique, 1949-1950 – fin

Kind of Fish and Product – Espèce de poisson et produit	Unit of measure – Unité de mesure	Sea Fisheries – Pêcheries maritimes			
		1949		1950	
		Quantity – Quantité	Value – Valeur	Quantity – Quantité	Value – Valeur
			$'000		$'000
Salmon, landed – Concluded – Saumon, débarqué – Fin:					
Marketed – Concluded – Vendu – fin:					
Mild-cured – Peu salé	'000 lb. – liv.	904	393.8	834	436.7
Smoked and kippered – Fumé et mi-saur	"	232	76.4	201	80.6
Canned – En conserve	cases – caisses	1,436,462	27,654.5	1,492,034	31,368.5
Bait – Boette	'000 lb. – liv.	43	2.6	83	4.4
Liver oil – huile de foie	"	1	3.0	–	–
Offal oil – Huile d'issues	"	1,239	79.2	1,694	161.2
Offal meal – Farine d'issues	ton – tonne	1,298	212.9	1,735	205.4
Other products – Autres produits		685	42.0	784	161.8
Total value marketed – Total, valeur marchande		–	35,897.7	–	48,701.6
Seals (fur), landed – Phoques (à fourrure), débarqués	no. – nomb.	90	.7	292	2.3
Marketed, skins – Vendus, peaux	"	90	.7	292	2.3
Shark livers, landed – Foies de Requin, débarqués	'000 lb. – liv.	4	7.6	0	.2
Marketed – Vendus:					
Soupfin shark livers – Foies de milandre	"	–	–	8	
Soupfin shark liver oil, vitamin – Huile de foie de milandre, vitamine	"	1	8.4	–	–
Mudshark livers – Foies de requin bourbeau	"	–	.2	–	–
Total value marketed – Total, valeur marchande		–	8.6	–	.1
Shrimps and Prawns, landed – Crevettes, débarquées	"	355	58.5	466	81.9
Marketed – Vendues:					
Fresh – Fraîches	"	100	39.6	62	15.7
Frozen – Gelées	"	–	–	2	1.0
Canned and meat – En conserve et écaillées	"	–	–	89	105.7
Pickled – Saumurées	"	40	49.9	–	–
Total value marketed – Total, valeur marchande		–	89.5	–	122.4
Skate, landed – Raie, débarquée	"	90	3.4	114	3.3
Livers, landed – Foies débarqués	"	1	.1	–	–
Marketed – Vendue:					
Wings – Nageoires	"	2	.1	20	1.4
Fresh – Fraîche	"	79	4.1	76	5.9
Frozen and livers – Gelée et foies	"	8	.5	–	–
Total value marketed – Total, valeur marchande		–	4.7	–	7.3
Smelts, landed – Eperlan, débarqué	"	135	14.7	118	15.3
Marketed – Vendu:					
Fresh, dressed – Frais, habillé	"	68	12.2	69	10.7
Frozen, dressed – Gelé, habillé	"	66	6.2	49	10.1
Total value marketed – Total, valeur marchande		–	18.4	–	20.8
Soles, landed – Sole, débarquée	"	6,064	313.6	10,471	533.7
Marketed – Vendue:					
Fresh, dressed – Fraîche, habillée	"	252	22.0	330	30.1
Frozen, dressed – Gelée, habillée	"	71	8.8	2	.2
Fresh fillets – Filets frais	"	603	188.1	736	206.8
Frozen fillets – Filets gelés	"	1,416	361.2	2,434	674.5
Other products		–	.1	211	2.1
Total value marketed – Total, valeur marchande		–	580.2	–	913.7
Sturgeon, landed – Esturgeon, débarqué	"	42	10.8	37	9.2
Marketed, fresh and frozen – Vendu, frais et gelé	"	42	13.4	37	11.9
Tuna, (Albacore) landed – Thon, débarqué	"	2,231	362.6	2,119	372.7
Marketed – Vendu:					
Fresh, dressed – Frais, habillé	"	258	74.1	108	19.6
Frozen, dressed – Gelé, habillé	"	905	203.2	691	192.2
Canned – En conserve	cases – caisses	15,254	430.7	18,575	555.9
Total value marketed – Total, valeur marchande		–	708.0	–	767.8
Totals, sea fish – Totaux, poisson de mer:					
Landed – Débarqué	'000 lb. – liv.	546,313	27,250.8	638,497	36,345.2
Marketed – Vendu		–	58,456.3	–	68,821.4

Table B17. Extract from the Dominion Bureau of Statistics, Fisheries Statistics of Canada for 1949 and 1950 showing the pack of canned salmon in various areas within British Columbia.

TABLE 73 I. Salmon Pack[1] of British Columbia, by Districts and Species, 1949

TABLEAU 73 I. Mise en conserve[1] du saumon en Colombie-Britannique, par district et espèce, 1949

A. Packs of canned salmon in producing areas indicated, regardless where caught

A. Mise en conserve du saumon dans les régions productrices indiquées, indifféremment de l'endroit de capture

Areas – Région	Sockeye	Red Spring	Pink Spring	Jack Spring	White Spring	Steel-heads	Blue-backs	Cohoe	Pinks	Chums	Total
District No. 1	116,171½	8,284½	228	807	5,456	387	6,955½	91,231	361,369	61,313	652,022½
Skeena River	80,671½	1,537½	589	349½	621½	1,382½	–	84,818	131,450	42,406½	323,803
Central Areas	29,732½	679	–	165	288	380	–	33,456	122,122	99,521	286,335½
Rivers Inlet	12,517	351½	–	–	168	189½	–	4,076	20,279	17,170	54,851
District No. 3	20,720½	1,199	–	–	843	75	–	14,817½	74,073	7,327	119,482
Total	259,821	12,051½	817	1,118½	7,376½	2,374	6,955½	208,420½	709,992	227,737½	1,436,484

B. Packs of canned salmon from runs to the areas indicated, regardless where canned

B. Mise en conserve du saumon des courses aux régions indiquées, indifféremment de l'endroit de la mise en conserve

Areas – Région	Sockeye	Red Spring	Pink Spring	Jack Spring	White Spring	Steel-heads	Blue-backs	Cohoe	Pinks	Chums	Total
District No. 1	60,991	4,550	228	582	4,470	132½	531½	10,202	80,784	6,752	178,213
Queen Charlotte, North	–	–	–	–	–	–	–	5,260	–	5,065	10,325
Queen Charlotte, South	–	–	–	–	–	1	–	2,801½	2,553	19,835½	25,270
The Nass River	9,206	129	–	15	30	223	–	6,664	33,822	7,232	57,361
Skeena River	65,929½	1,275½	240½	323½	550	1,127½	–	21,177	32,309½	5,426	128,748
Granville-Principe	4,118	13	–	1	10	2	–	4,181	18,238	3,937	28,500
Butedale	3,626	93	–	36	75	7	–	17,244	78,744½	32,110½	132,034
Bella Bella	3,018	308	–	129	101	108	–	16,605½	48,502½	57,110	126,011
Bella Coola	2,053	85	–	7	97	100	–	5,363	29,979	20,098	57,833
Rivers Inlet	20,495	523½	–	6	183	290½	–	5,890	11,937	14,653	53,986
Smith Inlet	13,109	112	–	1	48	58	–	798	2,538	2,597	19,340
Alert Bay	25,773½	2,200	–	12	829	136	–	39,298	152,094	31,345½	253,687
Quathiaski	2,048	283	–	9	225	21	–	3,217	28,718½	5,894	39,219½
Comox	344	19	–	–	31	–	5,178	442½	2,078	968	9,060½
Pender Harbour	49	150	–	1	13	–	923	584	8,532	8,450	18,730
Nanaimo	302	198	–	7	98	3	133	1,450	9,924	3,382	15,515
Victoria	7,720½	464	–	–	275	18	–	16,343	101,119	772	126,715½
Nitinat	135	77	–	–	–	–	28	308	1,089	50	2,077
Barkley Sound	4,340	87	–	–	42	–	36	19,107½	26,218	238	50,410½
Clayoquot	2,736	812	–	–	36	–	28	4,885	4,227	81	12,805
Nootka	403	376½	–	–	27	1	25	3,031	2,520	58	6,439½
Kyuquot	93	128	–	–	11	–	25	2,132	1,210	50	3,650
Quatsino	101	363	–	–	18	1½	32	1,088	2,119	58½	4,541
U.S. Salmon canned in B.C.	165½	–	342½	–	6½	11	–	19,393½	24,708	1,255½	45,960½
Total	259,821	12,051½	817	1,118½	7,376½	2,374	6,955½	208,420½	709,992	227,737½	1,436,484

1. Standard cases of 48 pounds – Caisses de 48 livres.

Continued...

TABLE 73 II. Salmon Pack[1] of British Columbia, by Districts and Species, 1950

TABLEAU 73 II. Mise en conserve[1] du saumon en Colombie-Britannique, par district et espèce, 1950

A. Packs of canned salmon in producing areas indicated, regardless where caught

A. Mise en conserve du saumon dans les régions productrices indiquées, indifféremment de l'endroit de capture

Areas – Région	Sockeye	Red Spring	Pink Spring	Jack Spring	White Spring	Steel-heads	Blue-backs	Cohoe	Pinks	Chums	Total
District No. 1	230,518½	1,894	1,321½	180½	1,723	484½	7,723½	71,408	140,082½	140,317½	604,553½
Skeena River	100,285	1,892½	–	394	568	2,129	–	23,908	156,390½	143,656	429,231
Central Areas	38,564	806	–	8	162	428	–	12,439½	130,828	171,271	351,488½
Rivers Inlet	25,872	311	–	31	84	208	–	3,632	18,718	15,798	64,664
District No. 3	5,787	–	–	–	78	–	–	4,518½	250	31,492	42,125½
Total	401,026½	4,703½	1,321½	613½	2,595	3,227½	7,723½	115,906	445,385	502,332½	1,492,834½

B. Packs of canned salmon from runs to the areas indicated, regardless where canned

B. Mise en conserve du saumon des courses aux régions indiquées, indifféremment de l'endroit de la mise en conserve

Areas – Région	Sockeye	Red Spring	Pink Spring	Jack Spring	White Spring	Steel-heads	Blue-backs	Cohoe	Pinks	Chums	Total
District No. 1	50,258½	1,254	–	122	977	241	–	6,367½	72	23,404½	82,696½
Queen Charlotte, North	21	13	–	3	–	3	–	4,622	48,294½	14,038	66,993½
Queen Charlotte, South	68	2	30	1	–	12	–	4,298	44,692	134,633	183,836
The Nass River	27,288½	574½	–	108	118	230½	–	2,737	12,582	14,221	57,861½
Skeena River	47,478½	1,183	–	228	337½	1,645½	–	9,781	26,250	10,973	97,883½
Granville-Principe	6,932½	31	–	11	20	30	–	1,198	17,880	8,068	34,160½
Butedale	8,882½	67½	–	33	76½	11	–	3,564½	18,230½	39,862½	70,723
Bella Bella	1,347	83	–	3	79	142	–	3,297	29,225	56,799	91,105
Bella Coola	5,004	318	–	37	78	573	–	8,982½	97,847	60,163	173,089½
Rivers Inlet	142,704	489½	–	11	139	170	–	5,738	12,806	10,014	172,107½
Smith Inlet	42,435	44½	–	3	24	39½	–	397	3,304	4,499½	52,766½
Alert Bay	35,667½	481½	170	10	428	99	–	27,339½	112,783½	56,790½	234,727½
Quathiaski	3,128	20	668	1	180	1	187	2,945	11,681	11,349	30,868
Comox	1,078	7	–	1	10	–	6,556	2,380	223	2,567½	12,822½
Pender Harbour	26	–	–	–	–	–	120	52	3	513	714
Nanaimo	1,890	2	84	1	10	2	347½	954½	43	1,496	4,830
Victoria	29,019½	51	–	42½	68	2	334	7,717	480	511	38,224
Nitinat	584	–	–	–	–	–	–	182	–	3,630	4,396
Barkley Sound	2,219	54	29½	–	17	12	179	3,917	400	10,204½	17,161
Clayoquot	1,732	28	120	–	33	–	–	2,929	4	1,988	6,852
Nootka	25	23	201	–	34	–	–	3,643	3	17,788	21,720
Kyuquot	–	4	19	–	12	–	–	2,357½	4	12,683	15,079½
Quatsino	38	6	–	–	2	2	–	9,410	5,605½	5,147½	20,209
Total	401,026½	4,703½	1,321½	613½	2,595	3,227½	7,723½	115,906	445,385	502,332½	1,492,834½

1. Standard cases of 48 pounds – Caisses de 48 livres.

Table B18. Extract from the Annual Report of the Fisheries Branch of the Department of Marine and Fisheries for 1927-1928 showing the pack of canned salmon by species for Rivers and Smiths Inlets from 1881 to 1927.

PACK OF CANNED SALMON FROM FISH CAUGHT AT RIVERS INLET AND SMITHS INLET, *1881 TO 1927 STATEMENT No. 4

Year	Number of canneries operated	Number of salmon licences issued					Sockeye	Red Spring	Pink Spring	White Spring	Bluebacks	Steelheads	Cohoes	Pinks	Chums	Varieties other than sockeye packed at Smiths Inlet	Totals
		G.N.	Troll	P.S.	D.S.	T.N.											
1881																	
1882	1																5,035
1883	1																10,780
1884	2																20,383
1885																	
1886	1																15,000
1887	2																11,703
1888	2																20,000
1889	2																25,701
1890	2																37,961
1891	2																34,924
1892	2																15,120
1893	2																35,380
1894	2																39,351
1895	3																58,579
1896	4																107,408
1897	6																40,207
1898	6																101,711
1899	6																71,079
1900	6																75,413
1901	6																60,840
1902	6						74,010	(Other varieties 1,470)									75,498
1903	5																75,530
1904	5						101,842	(11 Red & Wh. Spr.)					358	61			101,972
1905	6						90,713	(351 Red & Wh. Spr.)									91,064
1906	8						132,631	181					66				132,878
1907	8						97,874	750					6,240	700 (Pk. & Ch.)			105,564
1908	8						74,451	1,254					9,505	4,670 (Pk. & Ch.)			89,880
1909	8						102,837	1,087					1,400	300 (Pk. & Ch.)			105,314
1910	8						141,921	383					2,076	19			144,399
1911	8						105,763	1,317					8,287	6,411	5,288		127,066
1912	8						129,317	1,462		408			11,005	11,723	4,843		158,768
1913	8						79,345	1,580					3,709	4,287	2,018		90,944
1914	*7						89,800	800					7,789	5,784	5,013		109,053
1915	8						153,651	1,012					7,118	2,964	5,387	299	170,431
1916	9						58,192	1,033		380			15,314	3,607	20,144	13,990	112,629
1917	10	816					75,320	716		101			9,124	8,065	16,101	4,325	113,758
1918	10	818					68,447	937	88	307			12,074	20,847	6,729	10,736	129,937
1918							*65,848*	*937*	*88*	*307*			*12,074*	*22,645*	*6,729*	*10,736*	*127,353*
1919	11	910					73,754	907	234	241		2	9,038	6,538	7,089	13,033	110,734
1919							*72,072*	*907*	*234*	*241*		*2*	*9,038*	*6,538*	*7,089*	*13,065*	*108,234*
1920	10	1,044					143,793	1,537	81	190			2,932	26,189	1,326		174,938
1920							*133,848*	*1,537*	*81*	*190*			*2,932*	*26,189*	*1,326*		*166,390*
1921	10	1,215					50,840	380		44			4,055	3,055	173		58,562
1921							*49,780*	*400*		*44*		*87*	*4,764*	*5,336*	*175*		*60,669*
1922	10	1,101					68,818	216	69	38	82		1,145	24,311	311		94,990
1922							*66,418*	*216*	*69*	*38*	*82*		*1,145*	*24,311*	*311*		*92,590*
1923	10	1,172					118,50[illegible]	230	250	113			1,536	10,037	3,340		133,930
1923							*113,350*	*230*	*250*	*113*			*1,686*	*10,057*	*3,340*		*127,776*
1924	10	903					91,764	215	201	149		32	1,880	15,103	4,903		114,318
1925	11	1,127					201,186	341	311	116		10	4,887	7,075	11,601		226,030
1925							*170,681*	*214*	*311*	*87*			*4,866*	*8,625*	*11,477*		*196,138*
1926	12	1,483					89,860	535	240	100		27	10,348	8,403	14,690		124,341
1926							*74,625*	*475*	*189*	*145*		*11*	*7,448*	*13,803*	*11,751*		*108,148*
1927	13	1,842					101,033	403	610	321		10	6,475	1,383	5,027		114,271
1927							*87,148*	*333*	*530*	*331*		*17*	*4,080*	*1,408*	*3,617*		*98,334*

NOTE.—Figures shown in black are packs from fish caught at Rivers Inlet or Smiths Inlet. Figures in black for years previous to 1918 are actual packs. Figures shown in italics, 1918 to 1927, are actual packs irrespective of where fish taken and not including fish shipped out for canning in other districts.

*1914 figures include Rivers Inlet pack only, no figures being available for Smiths Inlet for that year.

NOTE.—*Re* column "Varieties other than sockeye packed at Smiths Inlet." For the years this column is utilized, figures of the different varieties other than sockeye packed at Smiths Inlet were not available, and had to be shown as a total. Sockeye for those years are shown under their proper heading.

NOTE.—Licenses issued 1923, 1924, 1925, 1926 and 1927 include transfers from other districts.

*For the years 1882 to 1884 and 1886 to 1901 and 1903—particulars of varieties not available—practically all sockeye.

Table B19. Extract from the Annual Report of the Fisheries Branch of the Department of Marine and Fisheries for 1927-1928 showing estimated catches of salmon in numbers by gear for 1920 to 1927.

FISHERIES BRANCH 99

STATEMENT No. 14

STATEMENT OF NUMBERS OF DIFFERENT SPECIES OF SALMON AND METHOD OF CAPTURE, REPORTED BY OPERATORS OF SALMON PURSE-SEINES, DRAG-SEINES, AND TRAP NETS AND BY SALMON CANNING, CURING, AND COLD STORAGE ESTABLISHMENTS, OF GILL-NET AND TROLL CAUGHT FISH, BRITISH COLUMBIA, 1920-1927.

—	Sockeye	Springs	Bluebacks	Steelheads	Cohoes	Pinks	Chums	Total
1920								
Troll	....	199,492	72,833	2,581	312,943	....	....	587,849
Gill-net	3,751,724	398,172	802	40,831	537,925	4,842,499	416,348	9,988,301
Purse-Seines	153,380	4,666	753	80	84,383	4,633,505	524,996	5,401,763
Drag-Seines	321,894	1,849	1	....	9,220	347,135	10,251	690,350
Trap-nets	54,074	37,578	35,820	931	68,318	381,006	29,528	607,354
Totals	4,281,072	641,757	110,078	44,423	1,012,789	10,204,145	981,155	17,275,419
1921								
Troll	....	104,743	81,962	58	248,290	....	....	435,053
Gill-net	1,803,941	267,355	16,047	37,659	743,882	3,238,196	373,758	6,480,838
Purse-Seines	74,578	7,730	230	20	53,224	370,881	830,193	1,336,856
Drag-Seines	175,793	11	....	....	8,654	124,344	85,577	394,379
Trap-Nets	46,016	26,926	176	874	77,658	100,618	2,301	254,569
Totals	2,100,328	406,765	98,415	38,611	1,131,708	3,834,039	1,291,829	8,901,695
1922								
Troll	....	99,621	103,883	27	235,499	....	....	439,030
Gill-net	3,361,616	335,493	3,307	36,412	687,780	5,124,904	573,921	10,113,423
Purse-Seines	250,238	2,948	1,320	25	206,094	5,445,975	2,498,030	8,404,630
Drag-Seines	310,946	9	1	....	16,850	139,861	5,159	472,825
Trap-Nets	36,534	35,157	517	1,204	137,345	5,300	3,130	219,187
Totals	3,959,334	373,228	109,017	37,668	1,283,568	10,715,740	3,080,240	19,648,701
1923								
Troll	....	42,037	115,850	5	188,341	....	....	346,233
Gill-net	4,004,378	273,813	....	41,305	530,198	4,098,494	858,433	9,806,621
Purse-Seines	248,003	3,175	3,342	16	223,599	3,484,315	4,000,504	7,962,954
Drag-Seines	183,894	....	1	....	9,294	150,071	5,977	349,238
Trap-Nets	37,961	24,908	....	1,050	176,207	184,126	43,004	467,512
Totals	4,473,936	342,990	119,192	42,376	1,127,639	7,917,006	4,907,918	18,931,257
1924								
Troll	....	59,268	73,080	90	151,370	....	....	283,817
Gill-Net	4,352,839	228,924	....	63,680	616,736	3,882,336	1,087,638	10,231,032
Purse-Seines	405,798	3,830	....	1,261	173,041	8,137,898	4,773,994	13,493,813
Drag-Seines	208,483	3,122	....	....	16,233	14,451	11,187	311,476
Trap-Nets	56,123	13,005	....	1,649	149,220	15,711	15,103	253,811
Totals	4,983,233	305,849	73,086	65,670	1,093,890	11,754,395	6,387,822	24,873,848
1925								
Troll	....	132,136	179,190	313	318,852	....	....	630,491
Gill-Net	4,307,852	498,032	....	31,571	874,072	3,831,290	1,397,619	10,941,336
Purse-Seines	452,766	6,851	....	1,618	436,220	3,706,668	5,255,623	9,849,746
Drag-Seines	165,023	....	....	1	5,804	16,360	9,172	196,360
Trap-Nets	63,875	29,529	599	874	143,485	379,331	53,440	670,166
Totals	4,989,516	666,548	179,789	34,377	1,760,336	7,933,649	6,714,754	21,987,978
1926								
Troll	....	135,246	328,076	659	397,094	....	....	861,075
Gill-Net	3,634,337	320,962	13	79,179	482,579	3,803,151	1,111,695	9,431,916
Purse-Seines	403,047	4,357	3,909	348	464,311	10,770,891	6,129,410	17,776,273
Drag-Seines	156,959	3,250	....	....	5,825	6,530	1,369	173,933
Trap-Nets	38,080	26,105	3,864	399	94,588	23,383	40,961	227,380
Totals	4,232,423	489,920	335,862	80,585	1,444,397	14,603,955	7,283,435	28,470,577
1927								
Troll	....	294,325	341,999	1,902	430,601	5,684	4,113	1,078,624
Gill-net	3,562,885	275,158	....	77,311	520,229	2,392,434	516,604	7,344,621
Purse-Seine	301,222	14,654	31,479	1,051	339,766	1,616,984	4,817,537	7,101,693
Drag-Seine	67,220	2	....	3	1,490	212	6	68,933
Trap-Nets	80,781	30,148	602	1,368	91,469	240,281	8,492	453,041
Totals	4,012,108	614,287	374,080	81,635	1,383,555	4,255,595	5,346,752	16,016,913

68937—7½

Table B20. Extract from the Annual Report of the Fisheries Branch of the Department of Marine and Fisheries for 1927-1928 showing estimated catches of salmon in numbers by area by purse seines.

STATEMENT No. 22

STATEMENT SHOWING, BY SEINING AREAS, THE SALMON REPORTED CAUGHT BY PURSE SEINES, SEASON 1930

Area	Sockeye	Springs	Steelheads	Bluebacks	Cohoe	Pinks	Chums	Total
Area 1	316	17			991	4,538,375	20,246	4,568,945
" 2	8		2		5,275	310,478	1,029,280	1,345,043
" 3	3,182	208	35		1,519	2,183,022	32,260	2,220,226
" 5	57,962		3		10,623	1,950,660	31,536	2,059,784
" 6	37,737	204	6		42,934	3,744,713	71,078	3,896,672
" 7	35,544	2,050	1,583	21	25,674	1,064,076	509,637	1,638,585
" 8	246	67	37		1,009	296,399	24,986	322,804
" 9	73	3			525	240	52,383	53,224
" 10	384	9	300		459	1,246	30,292	32,789
" 11								
" 12	104,893	3,923	256		30,960	1,536,908	169,492	1,846,522
" 13	40;206	1,211	64	2,498	10,991	449,961	308,437	813,458
" 14	265	52	1		2,348	10,684	183,118	196,468
" 15					382		10,525	10,907
" 16	395				1,838	17,218	44,042	63,493
" 17					1,001	6	35,253	36,260
" 18	30,957	63			466	14	262	31,762
" 19								
" 20	52				926	7,000	136,550	145,128
" 21	4,292	574	12		12,545	39,653	146,580	203,656
" 22	20,130				1,070		193,968	215,168
" 23	11,043	717	182		10,785	64,579	525,814	613,720
" 24	42,249				9,723	96,407	119,040	267,419
" 25					18,020	69,626	569,661	657,307
" 26	959	26			10,859	4,662	87,563	104,069
" 27	22				29,192	65,656	69,776	164,646
Totals	391,605	9,124	2,580	2,519	230,175	16,461,273	4,410,779	21,508,055

STATEMENT No. 23

PACK OF SOCKEYE SALMON FROM RUNS TO FRASER RIVER

Year	Fraser River canneries	Canadian traps in Juan de Fuca Straits	Puget Sound canneries	Total
1876	9,847			9,847
1877	64,387			64,387
1878	105,101			105,101
1879	50,490			50,490
1880	42,155			42,155
1881	142,516			142,516
1882	199,104			199,104
1883	109,701			109,701
1884	38,437			38,437
1885	89,617			89,617
1886	99,177			99,177
1887	130,088			130,088
1888	76,616			76,616
1889	303,875			303,875
1890	241,889			241,889
1891	178,954		5,538	184,492
1892	79,715		2,954	82,669
1893	457,797		47,852	505,649
1894	400,368		41,781	442,149
1895	356,984		65,143	422,127
1896	860,459		72,979	933,438
1897	256,101		312,048	568,149
1898	510,383		252,000	762,383
1899	316,522		499,646	816,168
1900	990,313		229,800	1,220,113
1901	327,095		Ap. 800,000	1,127,095
1902	293,477		372,301	665,778
1903	204,809		167,211	372,020
1904	72,688		109,264	181,932

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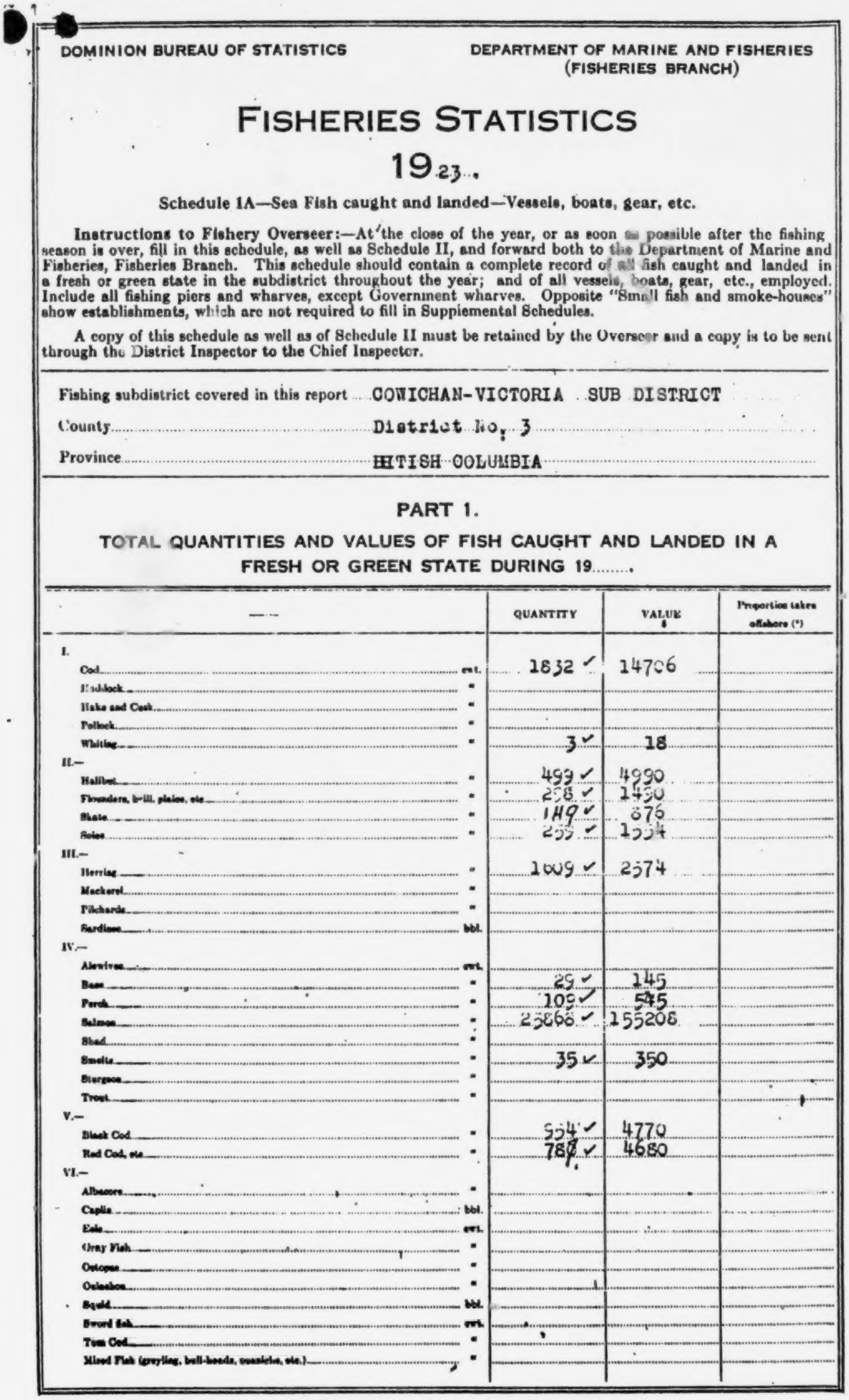
Table B21. Schedule 1A - Sea Fish caught and landed - Vessels, boats, gear, etc. Form in use in 1923. Continued.



DOMINION BUREAU OF STATISTICS

DEPARTMENT OF MARINE AND FISHERIES
(FISHERIES BRANCH)

FISHERIES STATISTICS

1923.

Schedule 1A—Sea Fish caught and landed—Vessels, boats, gear, etc.

Instructions to Fishery Overseer:—At the close of the year, or as soon as possible after the fishing season is over, fill in this schedule, as well as Schedule II, and forward both to the Department of Marine and Fisheries, Fisheries Branch. This schedule should contain a complete record of all fish caught and landed in a fresh or green state in the subdistrict throughout the year; and of all vessels, boats, gear, etc., employed. Include all fishing piers and wharves, except Government wharves. Opposite "Small fish and smoke-houses" show establishments, which are not required to fill in Supplemental Schedules.

A copy of this schedule as well as of Schedule II must be retained by the Overseer and a copy is to be sent through the District Inspector to the Chief Inspector.

Fishing subdistrict covered in this report COWICHAN-VICTORIA SUB DISTRICT
County District No. 3
Province BRITISH COLUMBIA

PART 1.

TOTAL QUANTITIES AND VALUES OF FISH CAUGHT AND LANDED IN A FRESH OR GREEN STATE DURING 19........

—		QUANTITY	VALUE $	Proportion taken offshore (*)
I.				
Cod	cwt.	1832 ✓	14706	
Haddock	"			
Hake and Cusk	"			
Pollock	"			
Whiting	"	3 ✓	18	
II.—				
Halibut	"	499 ✓	4990	
Flounders, brill, plaice, etc.	"	298 ✓	1490	
Skate	"	149 ✓	876	
Soles	"	259 ✓	1554	
III.—				
Herring	"	1609 ✓	2574	
Mackerel	"			
Pilchards	"			
Sardines	bbl.			
IV.—				
Alewives	cwt.			
Bass	"	29 ✓	145	
Perch	"	109 ✓	545	
Salmon	"	25868 ✓	155208	
Shad	"			
Smelts	"	35 ✓	350	
Sturgeon	"			
Trout	"			
V.—				
Black Cod	"	954 ✓	4770	
Red Cod, etc.	"	780 ✓	4680	
VI.—				
Albacore	"			
Caplin	bbl.			
Eels	cwt.			
Gray Fish	"			
Octopus	"			
Oulachon	"			
Squid	bbl.			
Sword fish	cwt.			
Tom Cod	"			
Mixed Fish (grayling, bull-heads, cunners, etc.)	"			

*Show in this column quantities taken by steam trawlers and vessels fishing on offshore grounds, remaining out more than two days.

TURN OVER

Table B21. Continued.

PART 1.—(*Continued*)

TOTAL QUANTITIES AND VALUES OF FISH CAUGHT AND LANDED IN A FRESH OR GREEN STATE DURING 19 23 .—(*Continued*)

—		QUANTITY	VALUE $	Proportion taken offshore (*)
VII: SHELL FISH—				
Clams and Quahaugs	bbl.	6029 ✓	9043	
Cockles	cwt.			
Crabs	"	87 ✓	1044	
Lobsters	"			
Mussels	"			
Oysters	bbl.			
Scallops	"			
Shrimps	cwt.			
Winkles	"			
VIII: MARINE ANIMALS—				
Seals—				
Fur	No.			
Hair	"			
Whales	"			
Belugas	"			
Porpoises	"			

(*) Show in this column quantities taken by steam trawlers and vessels fishing on offshore grounds, remaining out more than two days.

PART II.

NUMBER OF FISHERMEN, ETC., NUMBER AND VALUE OF VESSELS AND BOATS QUANTITY AND VALUE OF FISHING GEAR, ETC.

VESSELS, BOATS AND CARRYING SMACKS

—	No.	Tonnage	Value $	Men
Steam Trawlers				
Vessels—				
Steam				
Sailing and gasoline—				
40 tons and over				
20 to 40 tons	1 ✓	30 ✓	25000 ✓	7 ✓
10 to 20 tons	6 ✓	91 ✓	37000 ✓	36 ✓
Boats—				
Sail and row	7 ✓		350 ✓	7 ✓
Gasoline	69 ✓		26860 ✓	78 ✓
Carrying Smacks Scows	10 ✓		12000 ✓	15 ✓

FISHING GEAR AND OTHER MATERIAL

—	No.	Value $
Gill nets, seines, trap and smelt nets, etc	26 ✓	110500 ✓
Weirs		
Trawls	2 ✓	300 ✓
Hand lines	165 ✓	990 ✓
Lobster traps		
Fishing piers and wharves		
Ice houses	1 ✓	2500 ✓
Small fish and smoke houses (†)	1 ✓	1500 ✓

(†) Do not include any cannery or large fish preparing establishment.

CERTIFICATE

THIS IS TO CERTIFY that the answers to this schedule are complete and correct to the best of my knowledge and belief.

Name of Officer furnishing the information.
B M Colm
(Name)
Cowichan Bay
(Post Office address).

Date of this return January 10th , 1924

TURN OVER

DOMINION BUREAU OF STATISTICS

DEPARTMENT OF MARINE AND FISHERIES
(FISHERIES BRANCH)

FISHERIES STATISTICS

19 23

SCHEDULE II.—SEA FISH AND FISH PRODUCTS MARKETED

INSTRUCTIONS to Fishery Officer.—In columns 1 and 2 below ("Prepared by Fishermen"), are to be entered quantities and values of fish cured or otherwise prepared by fishermen or other persons, except in those establishments from which you have collected Supplemental Schedules. Also, quantities and values of fish marketed for consumption fresh by fishermen, fresh fish buyers, and all other persons except those manufacturers from whom Supplemental Schedules are collected. Do not show fresh or partially prepared fish which were sold to such establishments. All fish and fish products prepared in your subdistrict during the year ended December 31, are to be shown, in this schedule, *except those prepared in such establishments.*

The term "Used Fresh" in this schedule, is understood to mean fish intended to be consumed fresh. Fish used as bait or fertilizer, or fish sold to any establishment engaged in curing or canning fish, *are not to be included* opposite the words "Used Fresh."

Columns 3, 4, 5 and 6 *should be left blank.* These columns will be filled in by the Dominion Bureau of Statistics, from the Supplemental Schedules as revised by you. Do not include in this schedule any figures from the Supplemental Schedules.

Fishing Subdistrict covered in this report COWICHAN-VICTORIA SUB-DISTRICT

County Victoria Province B. C.

FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
I							
Cod, used fresh	cwt.	1216 ✓	9728 ✓	582 ✓	4656 ✓	1798	14384
" green-salted	"						
" canned	cases						
" smoked fillets	cwt.			17 ✓	102 ✓	17	102
" dried	"						
" boneless	"						
Haddock, used fresh	"						
" canned	cases						
" smoked	cwt.						
" green-salted	"						
" dried	"						
Hake and Cusk, used fresh	"						
" green-salted	"						
" smoked fillets	"						
" dried	"						
" boneless	"						
Pollock, used fresh	"						
" green-salted	"						
" smoked fillets	"						
" dried	"						
" boneless	"						
Whiting	"	3 ✓	18 ✓	--	--	3	18
II							
Halibut, used fresh	cwt.	457 ✓	4570 ✓	42 ✓	652 ✓	499	5222
" smoked	"						
" canned	cases						
Flounders, brill, plaice, etc.	cwt.	281 ✓	1405 ✓	17 ✓	48 ✓	298	1453
Skate	"	146 ✓	876 ✓	3 ✓	9 ✓	149	885
Soles	"	253 ✓	1518 ✓	6 ✓	36 ✓	259	1554
III							
Herring, used fresh	cwt.	147 ✓	441 ✓	322 ✓	1616 ✓	469	2057
" boneless	"						
" canned	cases						
" ~~smoked~~ [illegible]	cwt.			60 ✓	300 ✓	60	300
" ~~dry-salted~~ Smoked	"			500 ✓	4500 ✓	500	4500
" ~~pickled~~ Bloaters [illegible]	[illegible]			10 ✓	60 ✓	10	60
" used as bait	"						
" fertilizer	"						
Mackerel, used fresh	cwt.						
" canned	cases						
" salted	bbl.						
Sardines, canned	cases						
" sold fresh and salted	bbl.						
Pilchards, used fresh	cwt.						
" canned	cases						
" used as bait	bbl.						

(TURN OVER)

Table B22. Continued.

SEA FISH AND FISH PRODUCTS—MARKETED—*(Continued)*

FISH MARKETED		PREPARED BY FISHERMEN Quantity Col. 1	PREPARED BY FISHERMEN Value $ Col. 2	FACTORY PREPARED (Do not fill in) Quantity Col. 3	FACTORY PREPARED (Do not fill in) Value $ Col. 4	TOTAL MARKETED (Do not fill in) Quantity Col. 5	TOTAL MARKETED (Do not fill in) Value $ Col. 6
IV.—Alewives, used fresh	cwt.						
" smoked	"						
" salted	bbl.						
Bass	cwt.			[illegible] ✓	116 ✓	[illegible]	116
Perch	"	109 ✓	545 ✓	--	--	109	545
Salmon, used fresh	"	902 ✓	10624 ✓	408 ✓	5606 ✓	1310	[illegible]
" canned	cases			29045 ✓	187560 ✓	29045	187560
" smoked	cwt.			94 ✓	1457 ✓	94	1457
" dry-salted	"						
" mild cured	"						
" pickled	"						
Shad, used fresh	"						
Shad, salted	bbl.						
Smelts	cwt.	35 ✓	350 ✓	--	--	35	350
Sturgeon, used fresh	"						
" caviar	lb.						
Trout	cwt.						
V.—Black cod, used fresh	"			40 ✓	400 ✓	40	400
" green-salted	"						
" smoked	"			457 ✓	[illegible] ✓	457	[illegible]
" dried	"						
Red cod, etc., used fresh	"	780 ✓	4680 ✓	7 ✓	28 ✓	787	[illegible]
" green-salted	"						
" smoked	"						
VI.—Albacore, used fresh	cwt.						
" canned	cases						
Caplin	bbl.						
Eels	cwt.						
Octopus	"						
Oolachans	"						
Squid	bbl.						
Swordfish	cwt.						
Tom Cod	"						
Mixed fish	"						
VII.—SHELLFISH							
Clams and Quahaugs, used fresh	bbl.	29 ✓	58 ✓	--	--	29	58
" " canned	cases			6000 ✓	36000 ✓	6000	36000
Cockles	cwt.						
Crabs	"	87 ✓	1044 ✓	--	--	87	1044
Lobsters in shell	"						
" canned	cases						
" Tomalley	"						
Mussels	cwt.						
Oysters	bbl.						
Scallops, shelled	gal.						
" canned	cases						
Shrimps	cwt.						
Tongues and Sounds	"						
Winkles	"						
VIII.—PRODUCTS OF MARINE ANIMALS—							
Seal Skins—							
Fur	no.						
Hair	"						
Beluga skins	"						
Porpoise skins	"						
Whalebone and meal	tons						
Porpoise oil	gal.						
Seal oil	"						
Whale oil	"						
IX.—MISCELLANEOUS.							
Fish oil	gal.						
Cod liver oil, medicinal	"						
Fish glue	"						
Fish fertilizer (manufactured)	tons						

CERTIFICATE

This is to certify that the answers to this schedule are complete and correct to the best of my knowledge and belief.

Name of Officer furnishing the information B. M. Cotrin (Name)
Cowichan B.C. (Post Office Address)

Date of this return January 10th 1924

(TURN OVER)

Table B23. Supplemental Schedule (printed form) in use in 1923. Continued.

TO BE HANDED TO FISHERY OFFICER

Dominion Bureau of Statistics

Department of Marine and Fisheries
(Fisheries Branch)

SUPPLEMENTAL SCHEDULE

No. 136E-241. , 19 23.

Location of Establishment Victoria. County Province B. C.

Owner P.O. Address 936 Green St., Victoria, B. C.

Fishery Officer in whose district establishment is situated Overseer R. M. Colvin.

Please Read these Instructions Carefully before Filling in Schedule.

1. Two copies of this supplemental schedule are required to be filled in and handed to the Fishery Officer for the district.
2. The figures given must be for the calendar year (January 1 to December 31).
3. Each kind of fish must be shown separately, except where the schedule groups two kinds together.
4. Quantities must be given in the units called for, i.e., hundredweights, barrels, gallons, cases. Under no circumstances should fish products be shown in pounds (except caviar).
5. Quantity and selling value at the factory must be shown for every fish product and by-product manufactured during the year, whether sold or not. Value without quantity, or quantity without value, cannot be accepted.
6. If any point herein is not clear, please consult the Fishery Officer before filling in.

A.—MANUFACTURED FISH PRODUCTS.

FISH PRODUCTS		Total quantities of Fish prepared or cured at THIS ESTABLISHMENT		Quantities of partially prepared (including green-salted) and fully prepared and cured fish BOUGHT by you
		Quantity	Selling Value	Quantity
			$	
Cod, green-salted	cwt.			
Cod, canned	cases			
Cod, smoked fillets	cwt.			
Cod, dried	"			
Cod, boneless	"			
Haddock, canned	standard cases of 48 lb.			
Haddock, smoked	cwt.			
Haddock, green-salted	"			
Haddock, dried	"			
Hake and Cusk, green-salted	"			
Hake and Cusk, smoked fillets	"			
Hake and Cusk, dried	"			
Hake and Cusk, boneless	"			
Pollock, green-salted	"			
Pollock, smoked fillets	"			
Pollock, dried	"			
Pollock, boneless	"			
Halibut, smoked	"			
Halibut, canned	standard cases of 48 lb.			
Herring, boneless	cwt.			
Herring, canned	standard cases of 48 lb.			
Herring, xxx kippered	cwt.	60	300	
Herring, xxxxx bloaters	"	10	60	
Herring, pickled	bbl.			
Herring, used as bait	"			
Mackerel, canned	standard cases of 48 lb.			
Mackerel, salted	bbl.			
Sardines, canned	standard cases of 25 lb.			
Sardines, salted	bbl.			
Pilchards, canned	standard cases of 48 lb.			
Pilchards, used as bait	bbl.			
Alewives, smoked	cwt.			
Alewives, salted	bbl.			
Salmon, canned	standard cases of 48 lb.			
Salmon, smoked	cwt.			
Salmon, dry-salted	"			
Salmon, mild cured	"			
Salmon, pickled	"			
Shad, salted	bbl.			
Black cod, green-salted (Pacific only)	cwt.			
Black cod, smoked (Pacific only)	"	40	600	
Black cod, dried (Pacific only)	"			
Red cod, etc., green-salted (Pacific only)	"			
Red cod, etc., smoked (Pacific only)	"			
Albacore, canned	standard cases of 48 lb.			

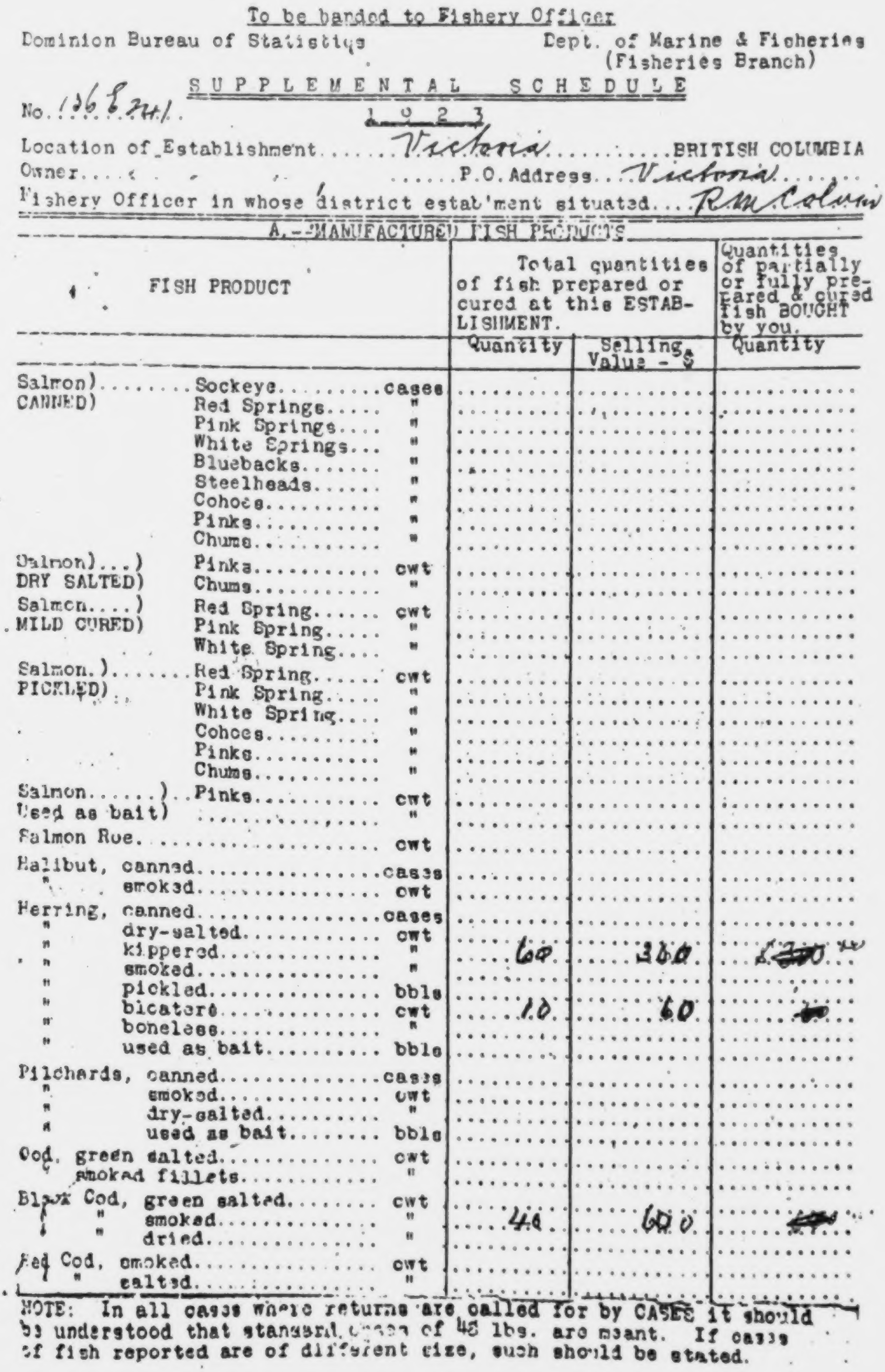
Table B23. Continued.

FISH PRODUCTS		Total quantities of Fish prepared or cured at THIS ESTABLISHMENT		Quantities [illegible] prepared green-salted [illegible] prepared and [illegible] BOUGHT by [illegible]
		Quantity	Selling Value	Quantity
			$	
Clams and Quahaugs, canned	standard cases of 48 lb.			
Lobsters, canned	"			
Lobsters, tomalley	"			
Scallops, shelled	gal.			
Scallops, canned	standard cases of 48 lb.			
Tongues and Sounds	cwt.			
Caviar (Sturgeon)	lb.			
Seal skins—				
Fur	no.			
Hair	"			
Beluga skins	"			
Porpoise skins	"			
Whale meat, canned	standard cases of 48 lb.			
Whalebone and meal	tons			
Porpoise oil	gal.			
Seal oil	"			
Whale oil	"			
Cod liver oil, medicinal	"			
Cod oil	"			
Fish oil, other than cod oil	"			
Fish glue	"			
Fish Fertilizer (manufactured)	tons			
Other products (state kind)				
TOTAL VALUE				

B.—FISH MARKETED FOR CONSUMPTION, FRESH.

KIND OF FISH		Quantity	Selling Value
			$
Cod	cwt.	40	300
Haddock	"		
Hake and Cusk	"		
Pollock	"		
Whiting	"		
Halibut	"	20	300
Flounders, brill, plaice, etc	"	5	40
Skate	"		
Soles	"		
Herring	"	80	640
Mackerel	"		
Pilchards	"		
Sardines	bbl.		
Alewives	cwt.		
Bass	"		
Perch	"		
Salmon	"	120	1220
Shad	"		
Smelts	"		
Sturgeon	"		
Black cod (Pacific only)	"	40	400
Red cod, etc. (Pacific only)	"		
Albacore	"		
Eels	"		
Oulachon	"		
Swordfish	"		
Tom cod	"		
Clams and quahaugs	bbl.		
Crabs, cockles, mussels and winkles	cwt.		
Lobsters	"		
Oysters	bbl.		
Shrimps	cwt.		
TOTAL VALUE			

Table B24. Supplemental Schedule (mimeographed form) in use in 1923. Continued.



To be handed to Fishery Officer

Dominion Bureau of Statistics

Dept. of Marine & Fisheries
(Fisheries Branch)

SUPPLEMENTAL SCHEDULE

1923

No. 136 8 241.

Location of Establishment........ Victoria ....BRITISH COLUMBIA

Owner.... ......P.O. Address.. Victoria ......

Fishery Officer in whose district estab'ment situated... R M Colvin

A.—MANUFACTURED FISH PRODUCTS

FISH PRODUCT			Total quantities of fish prepared or cured at this ESTABLISHMENT.		Quantities of partially or fully prepared & cured fish BOUGHT by you.
			Quantity	Selling Value - $	Quantity
Salmon) CANNED)	Sockeye	cases			
	Red Springs	"			
	Pink Springs	"			
	White Springs	"			
	Bluebacks	"			
	Steelheads	"			
	Cohoes	"			
	Pinks	"			
	Chums	"			
Salmon)...) DRY SALTED)	Pinks	cwt			
	Chums	"			
Salmon....) MILD CURED)	Red Spring	cwt			
	Pink Spring	"			
	White Spring	"			
Salmon.) PICKLED)	Red Spring	cwt			
	Pink Spring	"			
	White Spring	"			
	Cohoes	"			
	Pinks	"			
	Chums	"			
Salmon......) Used as bait)	Pinks	cwt			
		"			
Salmon Roe		cwt			
Halibut, canned		cases			
" smoked		cwt			
Herring, canned		cases			
" dry-salted		cwt			
" kippered		"	60	360	[illegible]
" smoked		"			
" pickled		bbls			
" bicatore		cwt	10	60	[illegible]
" boneless		"			
" used as bait		bbls			
Pilchards, canned		cases			
" smoked		cwt			
" dry-salted		"			
" used as bait		bbls			
Cod, green salted		cwt			
smoked fillets		"			
Black Cod, green salted		cwt			
" smoked		"	40	600	[illegible]
" dried		"			
Red Cod, smoked		cwt			
" salted		"			

NOTE: In all cases where returns are called for by CASES it should be understood that standard cases of 48 lbs. are meant. If cases of fish reported are of different size, such should be stated.

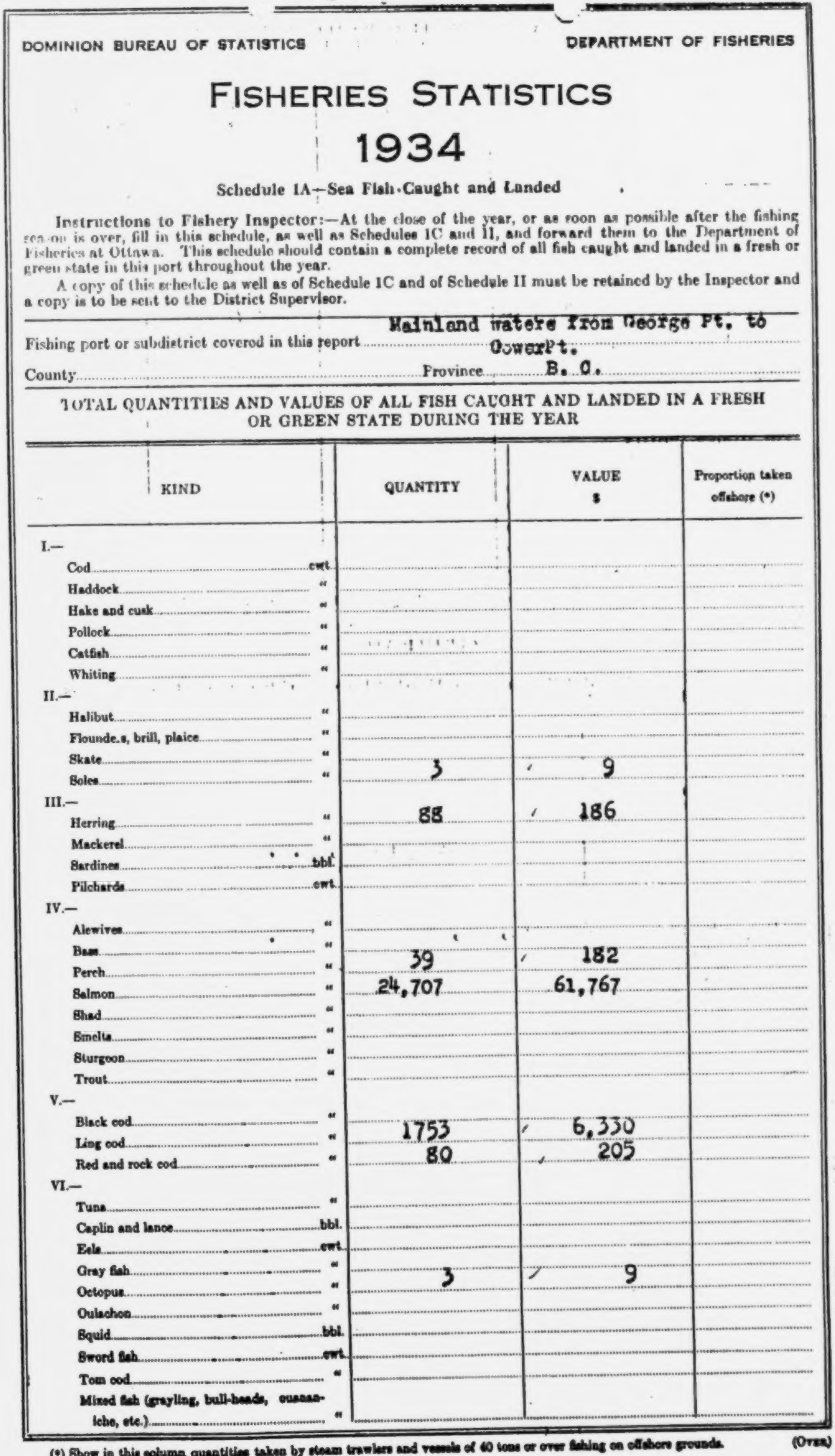
Table B24. Continued.

FISH PRODUCT		Total quantities of fish prepared or cured at THIS ESTABLISHMENT. Quantity	Selling Value: $	Quantities of partially or fully prepared & cured fish BOUGHT by you. Quantity
Abalone, canned	cases			
Clams, canned	"			
Clam Paste				
Crabs, canned	cases			
Crab Paste				
Hake & Cusk, smoked fillets	cwt			
Oulachons, salted	"			
Shad, salted	"			
Whiting, smoked	"			
Seal Skins: Fur	No.			
Hair	No.			
Sea Lion Hides	No.			
Shark Hides				
Whale, canned	cases			
Whalebone & Meal	Tons			
Whale Fertilizer	"			
Whale Oil	gals			
Seal Oil	"			
Fish Oil	"			
Fish Meal	Tons			
Fish Fertilizer (manufactured)	"			

B.--FISH MARKETED FOR CONSUMPTION, FRESH

KIND OF FISH		Quantity	Selling Value
Salmon: Sockeye	cwt.		
Red Springs	"	40	$640
Pink Springs	"		
White Springs	"	60	410
Bluebacks	"		
Steelheads	"		
Cohoes	"	20	140
Pinks	"		
Chums	"		
Halibut	"	20	300
Herring	"	80	240
Pilchards	"		
Cod	"	40	300
Black Cod	"	40	400
Red Cod	"		
Tom Cod	"		
Grey Cod	"		
Bass	"		
Clams	bbl.		
Crabs	cwt.		
Eels	"		
Flounders, brill, plaice, etc	"	3	40
Hake & Cusk	"		
Octopus	"		
Oulachons	"		
Oysters	bbl.		
Perch	cwt.		
Shad	"		
Shrimps	"		
Skate	"		
Smelts	"		
Soles	"		
Sturgeon	"		
Trout	"		
Whiting	"		

Table B25. Schedule 1A - Sea Fish Caught and Landed. Form in use in 1934. Continued.



DOMINION BUREAU OF STATISTICS DEPARTMENT OF FISHERIES

FISHERIES STATISTICS

1934

Schedule 1A—Sea Fish Caught and Landed

Instructions to Fishery Inspector:—At the close of the year, or as soon as possible after the fishing season is over, fill in this schedule, as well as Schedules 1C and 11, and forward them to the Department of Fisheries at Ottawa. This schedule should contain a complete record of all fish caught and landed in a fresh or green state in this port throughout the year.

A copy of this schedule as well as of Schedule 1C and of Schedule II must be retained by the Inspector and a copy is to be sent to the District Supervisor.

Fishing port or subdistrict covered in this report Mainland waters from George Pt. to Gower Pt.

County Province B. C.

TOTAL QUANTITIES AND VALUES OF ALL FISH CAUGHT AND LANDED IN A FRESH OR GREEN STATE DURING THE YEAR

KIND		QUANTITY	VALUE $	Proportion taken offshore (*)
I.—				
Cod	cwt.			
Haddock	"			
Hake and cusk	"			
Pollock	"			
Catfish	"			
Whiting	"			
II.—				
Halibut	"			
Flounde.s, brill, plaice	"			
Skate	"			
Soles	"	3	9	
III.—				
Herring	"	88	186	
Mackerel	"			
Sardines	bbl.			
Pilchards	cwt.			
IV.—				
Alewives	"			
Bass	"		182	
Perch	"	39		
Salmon	"	24,707	61,767	
Shad	"			
Smelts	"			
Sturgeon	"			
Trout	"			
V.—				
Black cod	"			
Ling cod	"	1753	6,330	
Red and rock cod	"	80	205	
VI.—				
Tuna	"			
Caplin and lance	bbl.			
Eels	cwt.			
Gray fish	"			
Octopus	"	3	9	
Oulachon	"			
Squid	bbl.			
Sword fish	cwt.			
Tom cod	"			
Mixed fish (grayling, bull-heads, ouananiche, etc.)	"			

(*) Show in this column quantities taken by steam trawlers and vessels of 40 tons or over fishing on offshore grounds. (Over)

Table B25. Continued.

TOTAL QUANTITIES AND VALUES OF ALL FISH CAUGHT AND LANDED IN A FRESH OR GREEN STATE DURING THE YEAR 1934—Concluded

KIND		QUANTITY	VALUE $	Proportion taken offshore (*)
VII. SHELL FISH.--				
~~Abalone~~ – Clams,	Cwt bbl.	24.	24.	
Clams	"			
Cockles	cwt			
Crabs	"			
Lobsters	"			
Mussels	"			
Oysters	Gal. bbl.	128	267	
Scallops	"			
Shrimps	cwt.			
Winkles	"			
Dulse	"			
Seaweed	"			
VIII. MARINE ANIMALS.--				
Seals—				
Fur	No.			
Hair	"			
Whales	"			
Belugas	"			
Porpoises	"			

(*) Show in this column quantites taken by steam trawlers and vessels of 40 tons or over fishing on offshore grounds.

CERTIFICATE

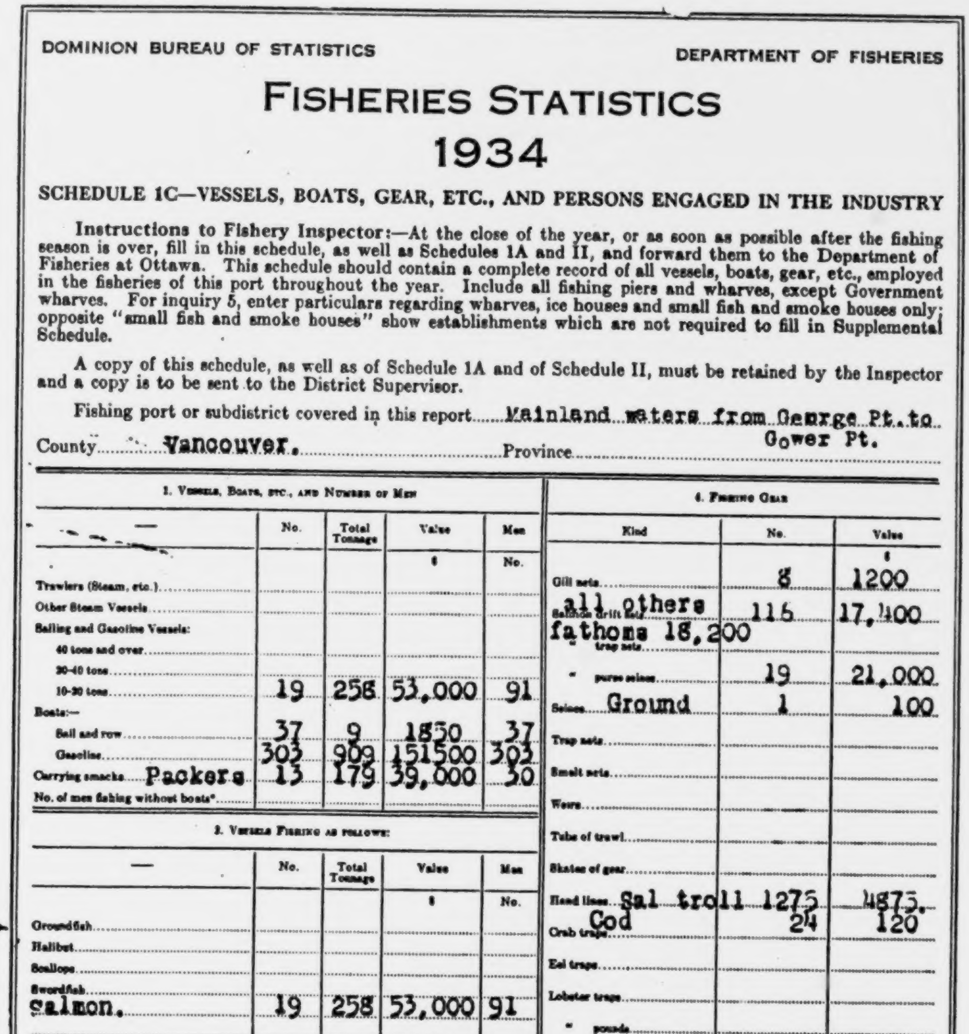
THIS IS TO CERTIFY that the answers to this schedule are complete and correct to the best of my knowledge and belief.

Name of Officer furnishing the information .... (Name)

Pender Harbour, B.C. (Post Office address)

Date of this return January, 22, 1935.

Table B26. Schedule 1C - Vessels, Boats, Gear, Etc., and Persons Engaged in the Industry. Form in use in 1934.



DOMINION BUREAU OF STATISTICS

DEPARTMENT OF FISHERIES

FISHERIES STATISTICS
1934

SCHEDULE 1C—VESSELS, BOATS, GEAR, ETC., AND PERSONS ENGAGED IN THE INDUSTRY

Instructions to Fishery Inspector:—At the close of the year, or as soon as possible after the fishing season is over, fill in this schedule, as well as Schedules 1A and II, and forward them to the Department of Fisheries at Ottawa. This schedule should contain a complete record of all vessels, boats, gear, etc., employed in the fisheries of this port throughout the year. Include all fishing piers and wharves, except Government wharves. For inquiry 5, enter particulars regarding wharves, ice houses and small fish and smoke houses only; opposite "small fish and smoke houses" show establishments which are not required to fill in Supplemental Schedule.

A copy of this schedule, as well as of Schedule 1A and of Schedule II, must be retained by the Inspector and a copy is to be sent to the District Supervisor.

Fishing port or subdistrict covered in this report Mainland waters from George Pt. to Gower Pt.

County Vancouver. Province

1. Vessels, Boats, etc., and Number of Men

—	No.	Total Tonnage	Value	Men
			$	No.
Trawlers (Steam, etc.)				
Other Steam Vessels				
Sailing and Gasoline Vessels:				
40 tons and over				
20-40 tons				
10-20 tons	19	258	53,000	91
Boats:—				
Sail and row	37	9	1850	37
Gasoline	303	909	151500	303
Carrying smacks Packers	13	179	39,000	30
No. of men fishing without boats*				

2. Vessels Fishing as follows:

—	No.	Total Tonnage	Value	Men
			$	No.
Groundfish				
Halibut				
Scallops				
Swordfish				
salmon.	19	258	53,000	91

3. Boats (Sail, Row and Gasoline) Fishing as follows:

—	No.	Value	Men
		$	No.
Groundfish	1	100	1
Scallops			
Salmon	328	153,350	328
Lobsters			
Herring	2	1000	2
Mackerel			
Cod.	12	6000	12
Grayfish	7	3500	7

4. Fishing Gear

Kind	No.	Value
		$
Gill nets	8	1200
Salmon drift nets all others	116	17,400
fathoms 18,200		
" trap nets		
" purse seines	19	21,000
Seines Ground	1	100
Trap nets		
Smelt nets		
Weirs		
Tubs of trawl		
Skates of gear		
Hand lines Sal troll	1275	4875.
Cod	24	120
Crab traps		
Eel traps		
Lobster traps		
" pounds		
Oyster rakes		
Scallop drags		
Quahaug rakes		

5. Wharves, Ice Houses, etc.

—	No.	Value
		$
Wharves		
Ice houses		
Small fish and smoke houses**	1	200

* Inspectors must be careful not to include in this the number of fishermen already shown in the vessels and boats.

** Do not include any cannery or large fish preparing establishment.

CERTIFICATE

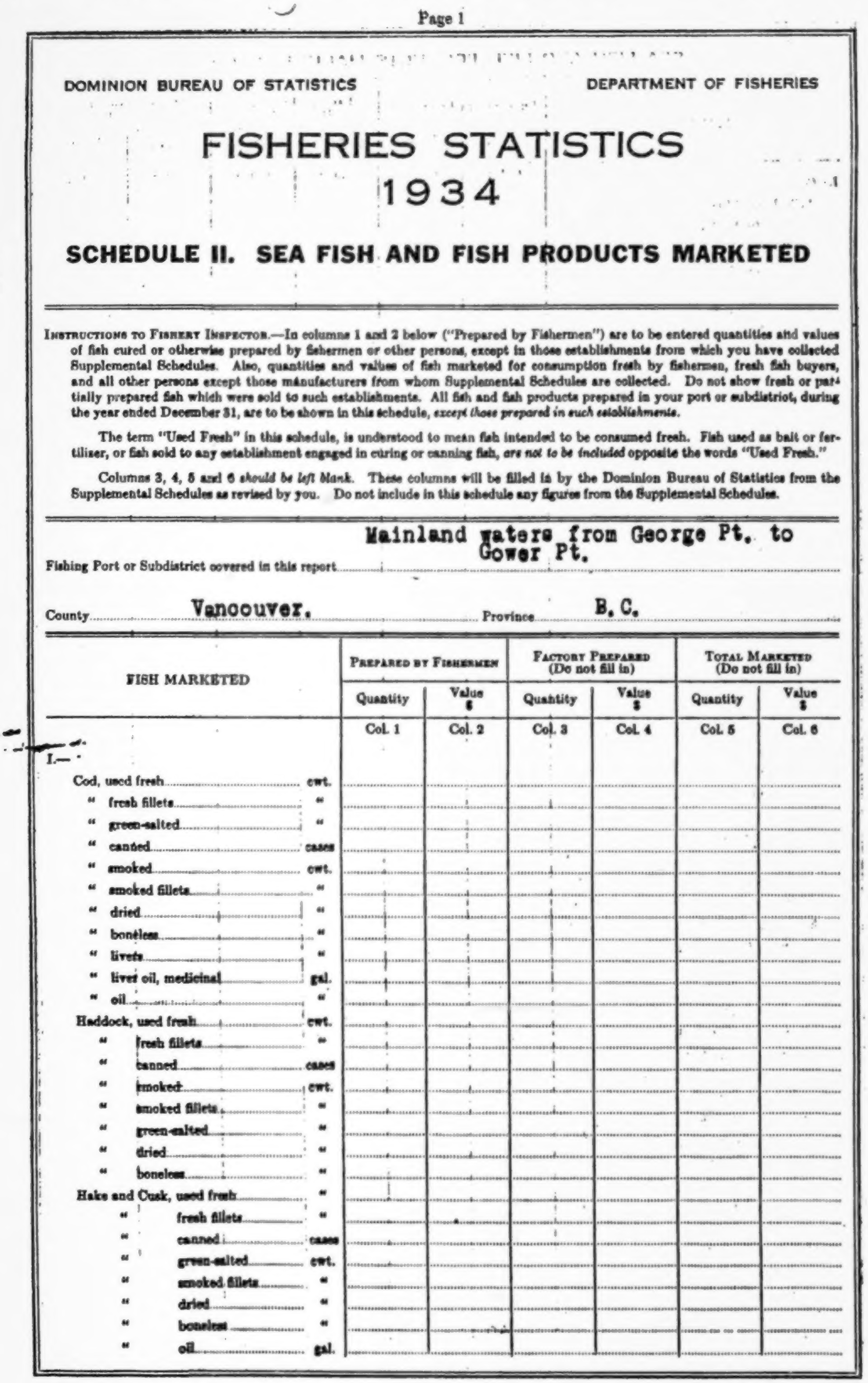
THIS IS TO CERTIFY that the answers to this schedule are complete and correct to the best of my knowledge and belief.

Name of Officer furnishing the information (Name)

Pender Harbour, B.C. (Post Office Address)

Date of this return Jan. 22nd. 1935.

Table B27. Schedule II - Sea Fish and Fish Products Marketed. Form in use in 1934. Continued.



Page 1

DOMINION BUREAU OF STATISTICS DEPARTMENT OF FISHERIES

FISHERIES STATISTICS
1934

SCHEDULE II. SEA FISH AND FISH PRODUCTS MARKETED

INSTRUCTIONS TO FISHERY INSPECTOR.—In columns 1 and 2 below ("Prepared by Fishermen") are to be entered quantities and values of fish cured or otherwise prepared by fishermen or other persons, except in those establishments from which you have collected Supplemental Schedules. Also, quantities and values of fish marketed for consumption fresh by fishermen, fresh fish buyers, and all other persons except those manufacturers from whom Supplemental Schedules are collected. Do not show fresh or partially prepared fish which were sold to such establishments. All fish and fish products prepared in your port or subdistrict, during the year ended December 31, are to be shown in this schedule, *except those prepared in such establishments.*

The term "Used Fresh" in this schedule, is understood to mean fish intended to be consumed fresh. Fish used as bait or fertilizer, or fish sold to any establishment engaged in curing or canning fish, *are not to be included* opposite the words "Used Fresh."

Columns 3, 4, 5 and 6 *should be left blank*. These columns will be filled in by the Dominion Bureau of Statistics from the Supplemental Schedules as revised by you. Do not include in this schedule any figures from the Supplemental Schedules.

Fishing Port or Subdistrict covered in this report Mainland waters from George Pt. to Gower Pt.

County Vancouver. Province B. C.

FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
I.—							
Cod, used fresh	cwt.						
" fresh fillets	"						
" green-salted	"						
" canned	cases						
" smoked	cwt.						
" smoked fillets	"						
" dried	"						
" boneless	"						
" livers	"						
" liver oil, medicinal	gal.						
" oil	"						
Haddock, used fresh	cwt.						
" fresh fillets	"						
" canned	cases						
" smoked	cwt.						
" smoked fillets	"						
" green-salted	"						
" dried	"						
" boneless	"						
Hake and Cusk, used fresh	"						
" fresh fillets	"						
" canned	cases						
" green-salted	cwt.						
" smoked fillets	"						
" dried	"						
" boneless	"						
" oil	gal.						

Table B27. Continued.

Page 2

SEA FISH AND FISH PRODUCTS MARKETED—*Con.*

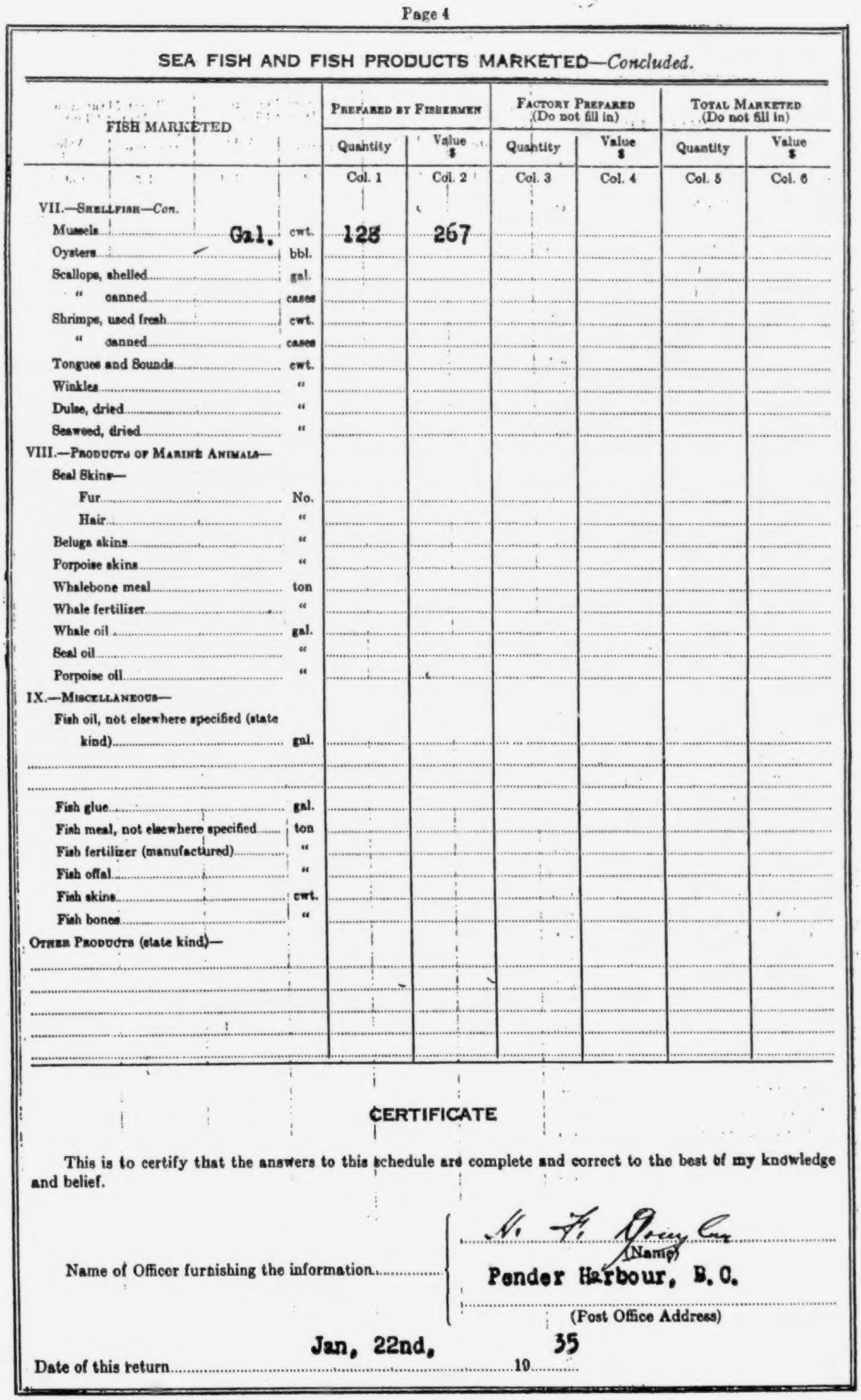
FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
I.—*Con.*							
Pollock, used fresh	cwt.						
" fresh fillets	"						
" green-salted	"						
" dried	"						
" boneless	"						
Catfish, used fresh	"						
" fresh fillets	"						
Whiting	"						
II.—							
Halibut, used fresh	cwt.						
" smoked	"						
" canned	cases						
" livers	cwt.						
Flounders, brill, plaice, used fresh	"						
" fresh fillets	"						
" smoked fillets	"						
Skate	"						
Soles, used fresh	"	2	9				
" fresh fillets	"						
III.—							
Herring, used fresh	cwt.	88	186				
" canned (round)	cases						
" canned (kippered)	"						
" smoked (round)	cwt.						
" smoked (boneless)	"						
" kippered	"						
" dry-salted (Pacific coast only)	"						
" pickled	bbl.						
" used as bait	"						
" fertiliser	"						
" oil	gal.						
" meal	ton						
" scales	cwt.						
Mackerel, used fresh	"						
" fresh fillets	"						
" canned	cases						
" smoked	cwt.						
" pickled	bbl.						
" fillets (salted)	"						
" used as bait	"						
Sardines, sold fresh and salted	"						
" canned	cases						
Pilchards, used fresh	cwt.						
" canned	cases						
" used as bait	bbl.						
" oil	gal.						
" meal	ton						
IV.—							
Alewives, used fresh	cwt.						
" smoked	"						
" salted	bbl.						
Bass	cwt.						
Perch	"	39	182				

Table B27. Continued.

SEA FISH AND FISH PRODUCTS MARKETED—*Con.*

FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
IV.—*Con.*							
Salmon, used fresh	cwt.	1082	6,025				
" canned	cases						
" smoked	cwt.						
" dry-salted	"						
" mild cured	"						
" pickled	"						
" roe	"						
" oil	gal.						
" meal	ton						
Shad, used fresh	cwt.						
" salted	bbl.						
Smelts	cwt.						
Sturgeon, used fresh	"						
" caviar	lb.						
Trout, used fresh	cwt.						
" canned	cases						
V.—							
Black cod, used fresh	cwt.						
" green-salted	"						
" smoked	"						
" dried	"						
Ling cod, used fresh	"	1755	6,530				
" green-salted	"						
" smoked	"						
" smoked fillets	"						
Red and rock cod, used fresh	"	80	205				
" " green-salted	"						
" " smoked	"						
VI.—							
Tuna, used fresh	cwt.						
" canned	cases						
Caplin and lance	bbl.						
Eels	cwt.						
Gray fish, oil	gal.						
" meal	ton						
Octopus	cwt.	3	9				
Oulachons	"						
Squid, used as bait	bbl.						
Swordfish	cwt.						
Tom cod	"						
Mixed fish	"						
VII.—SHELLFISH—							
Abalone, used fresh	bbl.						
" canned	cases						
Clams, used fresh Cwt	bbl.	24	24				
" canned	cases						
Cockles	cwt.						
Crabs, used fresh	"						
" canned	cases						
Lobsters in shell	cwt.						
" meat	"						
" canned	cases						
" Tomalley	"						

Table B27. Continued.



Page 4

SEA FISH AND FISH PRODUCTS MARKETED—*Concluded.*

FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
VII.—SHELLFISH—*Con.*							
Mussels Gal.	cwt.	128	267				
Oysters	bbl.						
Scallops, shelled	gal.						
" canned	cases						
Shrimps, used fresh	cwt.						
" canned	cases						
Tongues and Sounds	cwt.						
Winkles	"						
Dulse, dried	"						
Seaweed, dried	"						
VIII.—PRODUCTS OF MARINE ANIMALS—							
Seal Skins—							
Fur	No.						
Hair	"						
Beluga skins	"						
Porpoise skins	"						
Whalebone meal	ton						
Whale fertilizer	"						
Whale oil	gal.						
Seal oil	"						
Porpoise oil	"						
IX.—MISCELLANEOUS—							
Fish oil, not elsewhere specified (state kind)	gal.						
Fish glue	gal.						
Fish meal, not elsewhere specified	ton						
Fish fertilizer (manufactured)	"						
Fish offal	"						
Fish skins	cwt.						
Fish bones	"						
OTHER PRODUCTS (state kind)—							

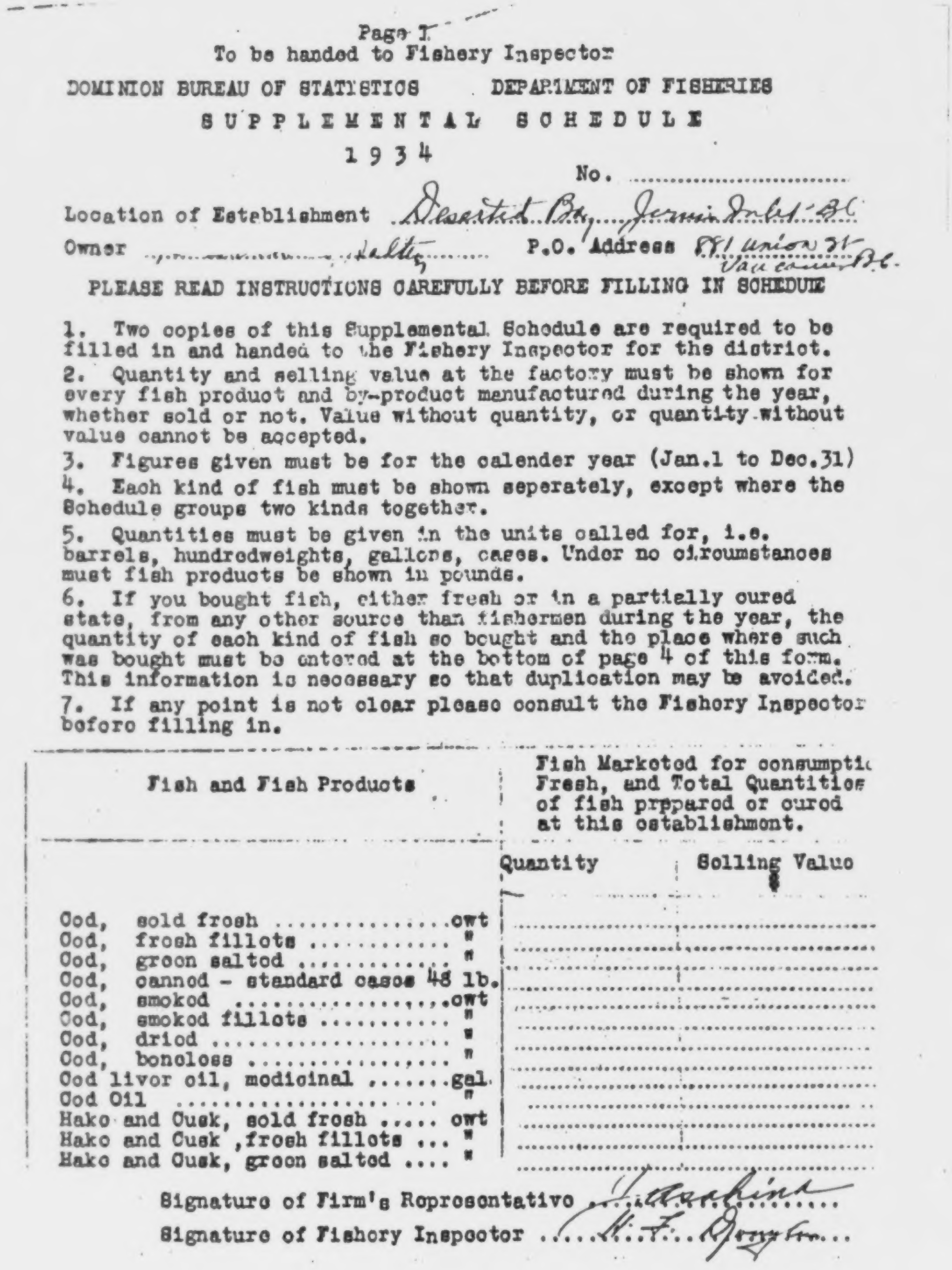
CERTIFICATE

This is to certify that the answers to this schedule are complete and correct to the best of my knowledge and belief.

Name of Officer furnishing the information (Name)
Pender Harbour, B.C.
(Post Office Address)

Date of this return Jan, 22nd, 1935

Table B28. Supplemental Schedule (mimeographed form) in use in 1934. Continued.



Page 1

To be handed to Fishery Inspector

DOMINION BUREAU OF STATISTICS DEPARTMENT OF FISHERIES

SUPPLEMENTAL SCHEDULE

1934

No. ....

Location of Establishment Deserted Bay, Jervis Inlet, B.C.

Owner ....Salter.......... P.O. Address 881 Union St. Vancouver B.C.

PLEASE READ INSTRUCTIONS CAREFULLY BEFORE FILLING IN SCHEDULE

1. Two copies of this Supplemental Schedule are required to be filled in and handed to the Fishery Inspector for the district.
2. Quantity and selling value at the factory must be shown for every fish product and by-product manufactured during the year, whether sold or not. Value without quantity, or quantity without value cannot be accepted.
3. Figures given must be for the calender year (Jan.1 to Dec.31)
4. Each kind of fish must be shown seperately, except where the Schedule groups two kinds together.
5. Quantities must be given in the units called for, i.e. barrels, hundredweights, gallons, cases. Under no circumstances must fish products be shown in pounds.
6. If you bought fish, either fresh or in a partially cured state, from any other source than fishermen during the year, the quantity of each kind of fish so bought and the place where such was bought must be entered at the bottom of page 4 of this form. This information is necessary so that duplication may be avoided.
7. If any point is not clear please consult the Fishery Inspector before filling in.

Fish and Fish Products	Fish Marketed for consumptic Fresh, and Total Quantities of fish prepared or cured at this establishment.	
	Quantity	Selling Value $
Cod, sold fresh .... cwt		
Cod, fresh fillets .... "		
Cod, green salted .... "		
Cod, canned - standard cases 48 lb.		
Cod, smoked .... cwt		
Cod, smoked fillets .... "		
Cod, dried .... "		
Cod, boneless .... "		
Cod liver oil, medicinal ....gal.		
Cod Oil .... "		
Hake and Cusk, sold fresh ..... cwt		
Hake and Cusk ,fresh fillets ... "		
Hake and Cusk, green salted .... "		

Signature of Firm's Representative ...T. Aachina...

Signature of Fishery Inspector ...H. F. ...

Table B28. Continued.

Page Two

Fish and Fish Products — Con.		Fish Marketed for Consumption fresh and Total Quantities of Fish processed or cured at this establishment	
		Quantity	Selling Value $
Whiting, sold fresh	cwt		
Halibut, sold fresh	"		
Halibut, smoked	"		
Halibut, canned Standard cases 48 lbs.			
Flounders, Brill, Plaice, sold fresh	cwt		
Skate, sold fresh	"		
Soles, sold fresh	"		
Soles, fresh fillets	"		
Herring, sold fresh	"		
Herring, canned (round) Stan. cases 48 lbs			
Herring, (canned, (kippered) " " "	"		
Herring, smoked (round)	cwt		
Herring, smoked (boneless)	"		
Herring, kippered	"		
Herring, bloatered	"		
Herring, drysalted (Pac.coast only)	"		
Herring, pickled	bbl		
Herring, Used as Bait	"		
Herring Oil IMPERIAL	gal		
Herring Meal	ton		
Pilchards, sold fresh	cwt		
Pilchards, canned - Stan. cases 48 lbs			
Pilchards, used as Bait	bbl		
Pilchard Oil	IMPERIAL GALLONS		
Pilchard Meal	ton		
Bass, sold fresh	cwt		
Perch, sold fresh	"		
Salmon, sold fresh, Sockeye	cwt		
Red. Spg.	"		
Pink Spg.	"		
White Spg.	"		
Steelheads	"		
Bluebacks	"		
Cohoes	"		
Pinks	"		
Chums	"		

Table B28. Continued.

Page Three

1427
357
1786

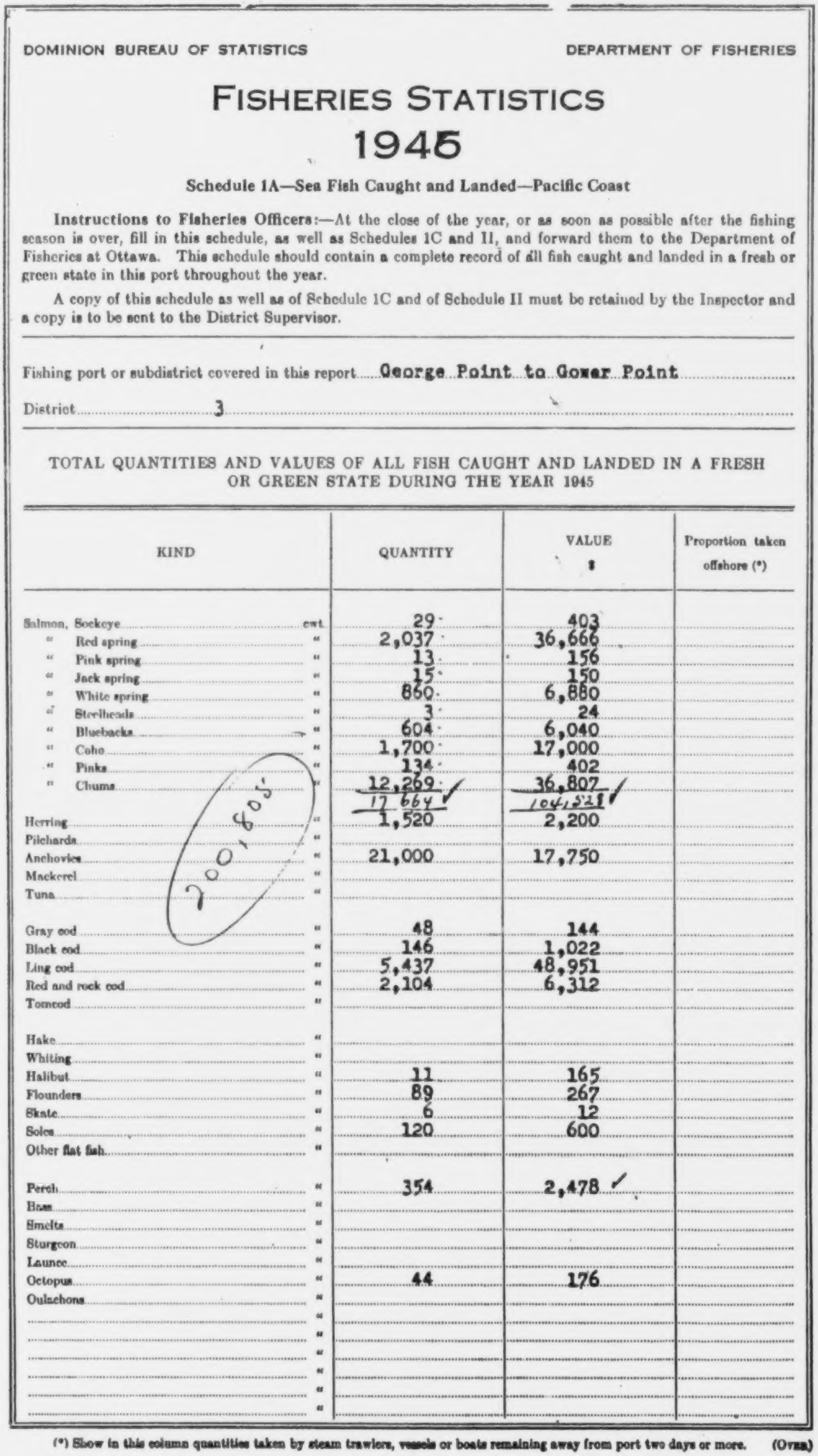
Fish and Fish Products (Con.)	Fish Marketed for consumption fresh and total quantities of fish prepared or cured at this establishment Quantity	 Selling Value $
SALMON, canned - Sockeye -48lbs cs or eq.		
Red Spg. " " "		
Pink Spg. " " "		
White Spg. " " "		
Steelheads " " "		
Bluebacks " " "		
Cohoes " " "		
Pinks " " "		
Chums " " "		
Totals		
Salmon, dry salted - White Spring cured cwts		
Pinks " "		
Chums " "	142 8/15	6420.00
Salmon, Mild Cured - Red Spring cured cwts		
White Spring " "		
Cohoes " "		
Salmon, pickled .... Red Spring cured cwts		
White Spring " "		
Cohoes " "		
Pinks " "		
Chums " "		
Salmon Roe .... cwts	157 [illegible] 100 lb Bx	$228.50
Salmon Used as Bait .... "		
Shad, sold fresh .... "		
Smolts, sold fresh .... "		
Sturgeon, sold fresh .... "		
Trout, sold fresh .... "		
Trout, canned-Stan. cases of 48 lbs each		
Black Cod, sold fresh (Pacific) .... cwts		
Black Cod, green salted (Pacific) cured "		
Black Cod, smoked (Pacific) .... " "		
Ling Cod, sold fresh (Pacific) .... cwts		
Ling Cod, smoked (Pacific) .... cured cwts		
Ling Cod, green salted (Pacific) " "		
Red and Rock Cod, sold fresh (Pacific) cwts		
Red and Rock Cod, smoked " cured cwts		
Red and Rock Cod, green salted " " "		
Grayfish Oil .... IMPERIAL GALLONS		
Grayfish Meal .... tons		
Octopus, sold fresh		

Fish and Fish Products - Concluded		Fish Marketed for Consumption Fresh and Total Quantities of Fish prepared or cured at this establishment	
		Quantity	Selling Value $
Tom Cod, sold fresh	cwts		
Clams and Quahaugs, sold fresh	bbls		
Clams and Quahaugs, canned -48 lbs cs			
Crabs, sold fresh	cwts		
Crabs, canned - 48 lbs cases or eq.			
Oysters, sold fresh	bbls		
Shrimps, sold fresh	cwts		
Shrimps, canned -48 lbs cs. or eq.			
Seal Skins - fur	No.		
Seal Skins - Hair	No.		
Whalebone	cwts		
Whale Meal	ton		
Whale Fertilizer	"		
Whale Oil	IMPERIAL GALLONS		
Fish Oil, not elsewhere specified	"		
Fish Meal, " " "	tons		
Fish Fertilizer " " "	"		
Other Products (state Kinds)			
Total Value			$

State here the quantities of fish, fresh and prepared, purchased during the year from persons and firms other than fishermen, and the place where each quantity was purchased.

Kind	Fresh or Cured	Quantity cwts	Place Where Bought

Table B29. Schedule 1A - Sea Fish Caught and Landed - Pacific Coast. Form in use in 1946. Continued.



DOMINION BUREAU OF STATISTICS

DEPARTMENT OF FISHERIES

FISHERIES STATISTICS

1945

Schedule 1A—Sea Fish Caught and Landed—Pacific Coast

Instructions to Fisheries Officers:—At the close of the year, or as soon as possible after the fishing season is over, fill in this schedule, as well as Schedules 1C and II, and forward them to the Department of Fisheries at Ottawa. This schedule should contain a complete record of all fish caught and landed in a fresh or green state in this port throughout the year.

A copy of this schedule as well as of Schedule 1C and of Schedule II must be retained by the Inspector and a copy is to be sent to the District Supervisor.

Fishing port or subdistrict covered in this report George Point to Gower Point

District 3

TOTAL QUANTITIES AND VALUES OF ALL FISH CAUGHT AND LANDED IN A FRESH OR GREEN STATE DURING THE YEAR 1945

KIND		QUANTITY	VALUE $	Proportion taken offshore (*)
Salmon, Sockeye	cwt.	29	403	
" Red spring	"	2,037	36,666	
" Pink spring	"	13	156	
" Jack spring	"	15	150	
" White spring	"	860	6,880	
" Steelheads	"	3	24	
" Bluebacks	"	604	6,040	
" Coho	"	1,700	17,000	
" Pinks	"	134	402	
" Chums	"	12,269 ✓	36,807 ✓	
		17 664 ✓	104,528 ✓	
Herring	"	1,520	2,200	
Pilchards	"			
Anchovies	"	21,000	17,750	
Mackerel	"			
Tuna	"			
Gray cod	"	48	144	
Black cod	"	146	1,022	
Ling cod	"	5,437	48,951	
Red and rock cod	"	2,104	6,312	
Tomcod	"			
Hake	"			
Whiting	"			
Halibut	"	11	165	
Flounders	"	89	267	
Skate	"	6	12	
Soles	"	120	600	
Other flat fish	"			
Perch	"	354	2,478 ✓	
Bass	"			
Smelts	"			
Sturgeon	"			
Launce	"			
Octopus	"	44	176	
Oulachons	"			
	"			
	"			
	"			
	"			
	"			
	"			
	"			

200,805

(*) Show in this column quantities taken by steam trawlers, vessels or boats remaining away from port two days or more. (Over)

TOTAL QUANTITIES AND VALUES OF ALL FISH CAUGHT AND LANDED IN A FRESH OR GREEN STATE DURING THE YEAR 19 6—Concluded

KIND		QUANTITY	VALUE $	Proportion taken offshore (*)
Abalone	cwt.			
Clams	"	444	1,332	
Crabs	"			
Oysters	gals. ~~bbl~~	3,147	12,588	
Shrimps	cwt	76	2,280	
	"			
	"			
Grayfish	"			
" livers	"			
Soupfin shark	"			
" livers	"			
Mudshark livers	"			
Ratfish livers	"			
	"			
	"			
	"			
	"			
Whales	No.			
Seals, fur	"			
" hair	"			

(*) Show in this column quantities taken by steam trawlers, vessels or boats remaining away from port two days or more.

CERTIFICATE

THIS IS TO CERTIFY that the answers to this schedule are complete and correct to the best of my knowledge and belief.

Name of Inspector furnishing the information

H. J. Cooke Head Fisheries Guardian
(Name)

Pender Harbour, B. C.
(Post Office Address)

Date February 28, 19 47

Table B30. Schedule II - Sea Fish Processed and Marketed. Form in use in 1946. Continued.

Page 1

DOMINION BUREAU OF STATISTICS **DEPARTMENT OF FISHERIES**

FISHERIES STATISTICS

1946—PACIFIC COAST

SCHEDULE II. SEA FISH PROCESSED AND MARKETED

INSTRUCTIONS TO FISHERIES OFFICERS.—On this form are to be shown the quantities and values of all fish products prepared in your area during the calendar year 1946, excepting the production of establishments from which supplemental schedules are collected. You should include fresh fish and processed or cured fish marketed, or consumed locally, by fishermen and others (except the operators of such establishments). Fresh and green-salted or other partially-prepared fish transferred to these establishments for further processing should not be included.

In reporting the production of fish processed and cured by fishermen, official conversion factors may be used as a guide in checking with landed quantities. Where it is known that official factors do not apply, exact yield should be shown and the proper conversion indicated.

Note that chilled fish shipped in ice is to be shown as "fresh", not "frozen"; the latter term is meant to describe quick-frozen and similarly processed fish.

Fishing Port or Subdistrict covered in this report: George Point to Gower Point

District: 3

SPECIES AND PRODUCTS		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Salmon, sold fresh—(round)—							
Sockeye	cwt.	17	255				
Red spring	"	243	4,374				
Pink spring	"	13	104				
Jack spring	"						
White spring	"	195	1,560				
Steelheads	"						
Bluebacks	"	87	870				
Coho	"	111	1,110				
Pinks	"						
Chums	"	67	201				
Total salmon sold fresh	"	733 ✓	8,474 ✓				
Salmon, frozen—(round)—							
Sockeye	"						
Red spring	"						
Pink spring	"						
Jack spring	"						
White spring	"						
Steelheads	"						
Bluebacks	"						
Coho	"						
Pinks	"						
Chums	"						
Total salmon frozen	"						
Salmon, frozen—fillets—							
Sockeye	"						
Red spring	"						
Bluebacks	"						
Coho	"						
Pinks	"						
Chums	"						
Total frozen fillets	"						
Salmon, canned—							
Sockeye	cases (48-1 lb. equiv.)						
Red spring	" "						
Pink spring	" "						
Jack spring	" "						
White spring	" "						
Steelheads	" "						
Bluebacks	" "						
Coho	" "						
Pinks	" "						
Chums	" "						
Flakes	" "						
Paste	" "						
Total salmon canned	"						

Table B30. Continued.

Page 2

SEA FISH AND FISH PRODUCTS MARKETED—*Continued*

FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Salmon, mild-cured—							
Red spring	cwt.						
Coho	"						
	"						
	"						
Total, salmon, mild-cured	"						
Salmon, kippered—							
White spring	"						
Chum	"						
	"						
	"						
Total salmon, kippered	"						
Salmon, smoked—							
White spring	"						
	"						
Total salmon, smoked	"						
Salmon, roe	"						
Salmon offal oil	lb.						
Salmon offal meal	ton						
Herring, sold fresh	cwt.	920	2,960				
frozen	"						
canned	cases (48–1 lb. equiv.)						
kippered snacks	" "						
sardines	" "						
kippered	cwt.						
bloatered	"						
pickled	bbl.						
used as bait	"	300	1,200				
oil	lb.						
offal oil	"						
meal	ton						
offal meal	"						
Pilchards, sold fresh	cwt.						
frozen	"						
canned	cases (48–1 lb. equiv.)						
sardines	" "						
used as bait	bbl.						
oil	lb.						
meal	ton						
Anchovies, sold fresh	cwt.						
frozen	"						
canned	cases (48–1 lb. equiv.)						
sardines	" "						
oil	lb.						
meal	ton						
Mackerel, sold fresh	cwt.						
frozen	"						
canned	cases (48–1 lb. equiv.)						
Tuna, sold fresh	cwt.						
frozen	"						
canned	cases (48–1 lb. equiv.)						

SEA FISH AND FISH PRODUCTS MARKETED—*Continued*

FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Gray cod, sold fresh	cwt.						
frozen	"						
fresh fillets	"						
frozen fillets	"						
smoked fillets	"						
liver oil	lb.						
Black cod, sold fresh (round)	cwt.	68	544				
fresh fillets	"						
frozen (round)	"						
frozen fillets	"						
smoked	"						
smoked fillets	"						
liver oil	lb.						
visceral oil	"						
Ling cod, sold fresh	cwt.	260	2,600				
frozen	"						
fresh fillets	"						
frozen fillets	"						
smoked fillets	"						
liver oil	lb.						
visceral oil	"						
Red and rock cod, sold fresh	cwt.	189	567				
frozen	"						
fresh fillets	"						
frozen fillets	"						
smoked fillets	"						
liver oil	lb.						
visceral oil	"						
Tomcod, sold fresh	cwt.						
frozen	"						
Hake, sold fresh	cwt.						
frozen	"						
Whiting, sold fresh	"						
frozen	"						
Halibut, sold fresh	"						
fresh fillets	"						
frozen	"						
frozen fillets	"						
offal oil	lb.						
offal meal	ton						
liver oil	lb.						
visceral oil	"						
Flounders, sold fresh	cwt.	6	18				
frozen	"						
fresh fillets	"						
frozen fillets	"						
Skate, sold fresh	"						
frozen	"						
liver oil	lb.						
Soles, sold fresh	cwt.	72	360				
frozen	"						
fresh fillets	"						
frozen fillets	"						
Perch, sold fresh	"						
frozen	"						
Bass, sold fresh	"						
frozen	"						
Smelts, sold fresh	"						
frozen	"						

SEA FISH AND FISH PRODUCTS MARKETED—*Concluded*

FISH MARKETED	Prepared by Fishermen		Factory Prepared (Do not fill in)		Total Marketed (Do not fill in)	
	Quantity	Value $	Quantity	Value $	Quantity	Value $
	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Sturgeon, sold fresh ... cwt.						
frozen ... "						
Launce, sold fresh ... cwt.						
Octopus, sold fresh ... "						
Oulachons, sold fresh ... "						
frozen ... "						
Abalone, sold fresh ... cwt.						
canned ... cases (48-1 lb. equivalent)						
Clams, sold fresh ... cwt.	84	252				
frozen ... "						
canned ... cases (48-1 lb. equivalent)						
Crabs, sold fresh ... cwt.						
canned ... cases (48-1 lb. equivalent)						
Oysters, sold fresh ... bbl.						
shucked ... gal.	1,049	4,196				
shell ... ton						
Shrimps, sold fresh ... cwt.	12	360				
canned ... cases (48-1 lb. equivalent)						
Vitamin and industrial oils, n.e.s.—						
Grayfish, body oil ... lb.						
body meal ... ton						
liver oil ... lb.						
Soupfin shark, liver oil ... "						
Mudshark, liver oil ... "						
Ratfish, liver oil ... "						
Whale oil, sperm ... lb.						
other ... "						
bone meal ... ton						
fertilizer ... "						
Fur seals, skins ... no.						
Hair seals, skins ... "						
Fish meal, n.e.s. ... ton						
Fish oil, n.e.s. ... lb.						

CERTIFICATE

I Hereby Certify that the information given on this report is complete and correct to the best of my knowledge and belief.

Name and address of person making this report: H. J. Cook (Name) Head Fisheries Guardian (Official position)

Pender Harbour, B. C. (Business address)

Date of this report February 21, 1947.

Ottawa: Printed by Edmond Cloutier, C.M.G., B.A., L.Ph., Printer to the King's Most Excellent Majesty, 1946.

Table B31. Supplemental Schedule - Pacific Coast. Printed form in use in 1946. Continued.

Dominion Burea of Statistics—Departm it of Fisheries

C22

SUPPLEMENTAL SCHEDULE—PACIFIC COAST

Establishment Otter Bay Year 1946 No. 512

Location of Establishment Otter Bay. North Pender Island. B.C.

Owner —

P.O. Address N.H.B.Fish Dock. Vancouver B.C.

Operations Began October 1st 1946 Completed December 12th 1946

		Whites	Indians	Japanese	Chinese	Totals
Number of Employees in this Establishment	Men	40	-	-	-	40
	Women	2	-	-	-	2
	Total	42				42

State below the average catch of Sockeye by employed fishermen:—

By White fishermen Nil By Indians Nil

QUANTITIES AND VALUES OF FISH PRODUCED AND MARKETED BY THIS ESTABLISHMENT

SECTION 1—SALMON

—	Fresh Round	Frozen Round	Mildcure Round	Kippered	Smoked	Frozen Fillets			*	Canned	Total Green
	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.				Cases	Cwt.
Sockeye											
Red spring											
Pink spring											
Jack spring											
White spring											
Steelheads											
Bluebacks											
Coho											
Pinks											
Chums											

MARKETED VALUES OF THE ABOVE. PLEASE STATE IN TERMS OF EVEN DOLLARS

Sockeye											Offal Oil
Red spring											Lb.
Pink spring											Val. $
Jack spring											
White spring											
Steelheads											Offal Meal:
Bluebacks											Tons
Coho											Val. $
Pinks											
Chums											

*State after each species the average number of fish per case canned.

SECTION 2—HERRING, PILCHARDS, ANCHOVIES, MACKEREL AND TUNA

HERRING, Sold fresh cwt.			MACKEREL, canned (48-1 lb.) cases		
Frozen "			PILCHARDS, sold fresh cwt.		
Canned (48-1 lb.) cases			frozen "		
Kippered snacks " "			canned (48-1 lb.) cases		
'Sardines' " "			'Sardines' " "		
Kippered cwt.			used as bait bbl.		
Salt ~~Bloatered~~ "	29220 ✓	138795 ✓	oil lb.		
Pickled bbl.			meal ton		
Bait "			ANCHOVIES, canned, (48-1 lb.) cases		
Oil lb.			'Sardines' " "		
Offal oil "			oil lb.		
Meal ton			meal ton		
Offal meal "			TUNA, sold fresh cwt.		
MACKEREL, sold fresh cwt.			frozen "		
frozen "			canned (48-1 lb.) cases		

CERTIFICATE

I HEREBY CERTIFY that the information given on this report is complete and correct to the best of my knowledge and belief.

Name and address of person making this report (Name) Accountant (Official position)

N.H.B.Fish Dock. Vancouver B.C. (Business address)

Date of this report January 22nd 1947

138795

(PLEASE TURN OVER)

Table B31. Continued.

SECTION 3—GENERAL

—	Quantity	Value $	—	Quantity	Value $
GRAY COD, sold fresh ... cwt.			HAKE, sold fresh ... cwt.		
frozen ... "			frozen ... "		
fresh fillets ... "			WHITING, sold fresh ... "		
frozen fillets ... "			frozen ... "		
smoked fillets ... "			HALIBUT, sold fresh ... "		
liver oil ... lb.			fresh fillets ... "		
			frozen ... "		
BLACK COD, sold fresh ... cwt.			frozen fillets ... "		
fresh fillets ... "			offal oil ... lb.		
frozen ... "			offal meal ... ton		
frozen fillets ... "			liver oil ... lb.		
smoked ... "			visceral oil ... "		
smoked fillets ... "					
liver oil ... lb.			FLOUNDERS, sold fresh ... cwt.		
visceral oil ... "			frozen ... "		
			fresh fillets ... "		
LING COD, sold fresh ... cwt.			frozen fillets ... "		
frozen ... "			SKATE, sold fresh ... "		
fresh fillets ... "			frozen ... "		
frozen fillets ... "			liver oil ... lb.		
smoked fillets ... "			SOLES, sold fresh ... cwt.		
liver oil ... lb.			frozen ... "		
visceral oil ... "			fresh fillets ... "		
			frozen fillets ... "		
RED COD, sold fresh ... cwt.			PERCH, sold fresh ... "		
frozen ... "			frozen ... "		
fresh fillets ... "			BASS, sold fresh ... "		
frozen fillets ... "			frozen ... "		
smoked fillets ... "			SMELTS, sold fresh ... "		
liver oil ... lb.			frozen ... "		
visceral oil ... "			STURGEON, sold fresh ... "		
			frozen ... "		
TOMCOD, sold fresh ... cwt.			LAUNCE, sold fresh ... "		
frozen ... "			OCTOPUS, sold fresh ... "		
			OULACHONS, sold fresh ... "		

SECTION 4—SHELLFISH, MARINE ANIMALS AND MISCELLANEOUS

ABALONE, sold fresh ... cwt.			WHALE oil, sperm ... lb.		
canned ... (48-1 lb.) cases			oil, other ... "		
CLAMS, sold fresh ... cwt.			bone meal ... ton		
canned ... (48-1 lb.) cases			fertilizer ... "		
CRABS, sold fresh ... cwt.					
canned ... (48-1 lb.) cases			FUR SEALS, skins ... No.		
OYSTERS, sold fresh ... bbl.			HAIR SEALS, skins ... "		
shucked ... gal.					
canned ... (48-1 lb.) cases					
shell ... ton					
SHRIMPS, sold fresh ... cwt.			FISH MEAL, N.E.S. ... ton		
canned ... (48-1 lb.) cases			FISH OIL, N.E.S. ... lb.		

SECTION 5—U.S. LANDINGS

State below the quantities and purchase values of all fish, **excepting fish used in canning operations,** caught by United States agencies, and NOT INCLUDED IN SECTIONS 1 to 4.

Kind of Fish	Cwt.	Value $	Kind of Fish	Cwt.	Value $

IMPORTANT NOTE:—In all cases when reporting canned fish, figures should be stated in terms of 48 lb. or the equivalent.

Table B32. Appendix to the mimeographed Supplemental Schedule in use in 1947 to record the area of catch of canned salmon that was processed at each establishment.

DOMINION DEPARTMENT OF FISHERIES PACIFIC COAST DOMINION BUREAU OF STATISTICS

APPENDIX TO SUPPLEMENTAL SCHEDULE—THE CANNED SALMON PACK AT .... CANNERY

PACK OF CANNED SALMON IN TERMS OF 48 LB. CASES OR THE EQUIVALENT

*AREAS OF CATCH	SOCKEYE	RED SPRING	PINK SPRING	JACK SPRING	WHITE SPRING	STEELHEAD	BLUEBACK	COHO	PINKS	CHUMS	TOTALS
DISTRICT NO. 1											
Q. C. ISLANDS, NORTH											
Q. C. ISLANDS, SOUTH											
THE NAAS RIVER											
THE SKEENA RIVER											
GRENVILLE—PRINCIPE											
BUTEDALE											
BELLA BELLA											
BELLA COOLA											
RIVERS INLET											
SMITHS INLET											
JOHNSTONE (ALERT BAY)											
STRAITS (QUATHIASKI)											
COMOX											
PENDER HARBOUR											
NANAIMO											
VICTORIA											
NITINAT											
BARKLEY SOUND											
CLAYOQUOT											
NOOTKA											
KYUQUOT											
QUATSINO											
TOTAL PACK—CASES											
TOTAL MARKETED VALUE $											

*ALL WATERS OF THE B.C. COAST ARE COVERED IN THIS COLUMN. PLEASE DETERMINE THE CORRECT AREA OF CATCH AND ENTER THE APPROPRIATE FIGURES. PLEASE DO NOT CROSS OUT STATED AREAS AND SUBSTITUTE OTHERS

(SEE OVER)

Table B33. Appendix to the mimeographed Supplemental Schedule in use in 1947 to record the landed weight of salmon by area of catch. Landed weights were to be taken from the left hand column of the Supplemental Schedule in Table B31.

RM DBS-15-116

DOMINION BUREAU OF STATISTICS **DOMINION DEPARTMENT OF FISHERIES**

APPENDIX TO SUPPLEMENTAL SCHEDULE—PACIFIC COAST

ESTABLISHMENT
YEAR

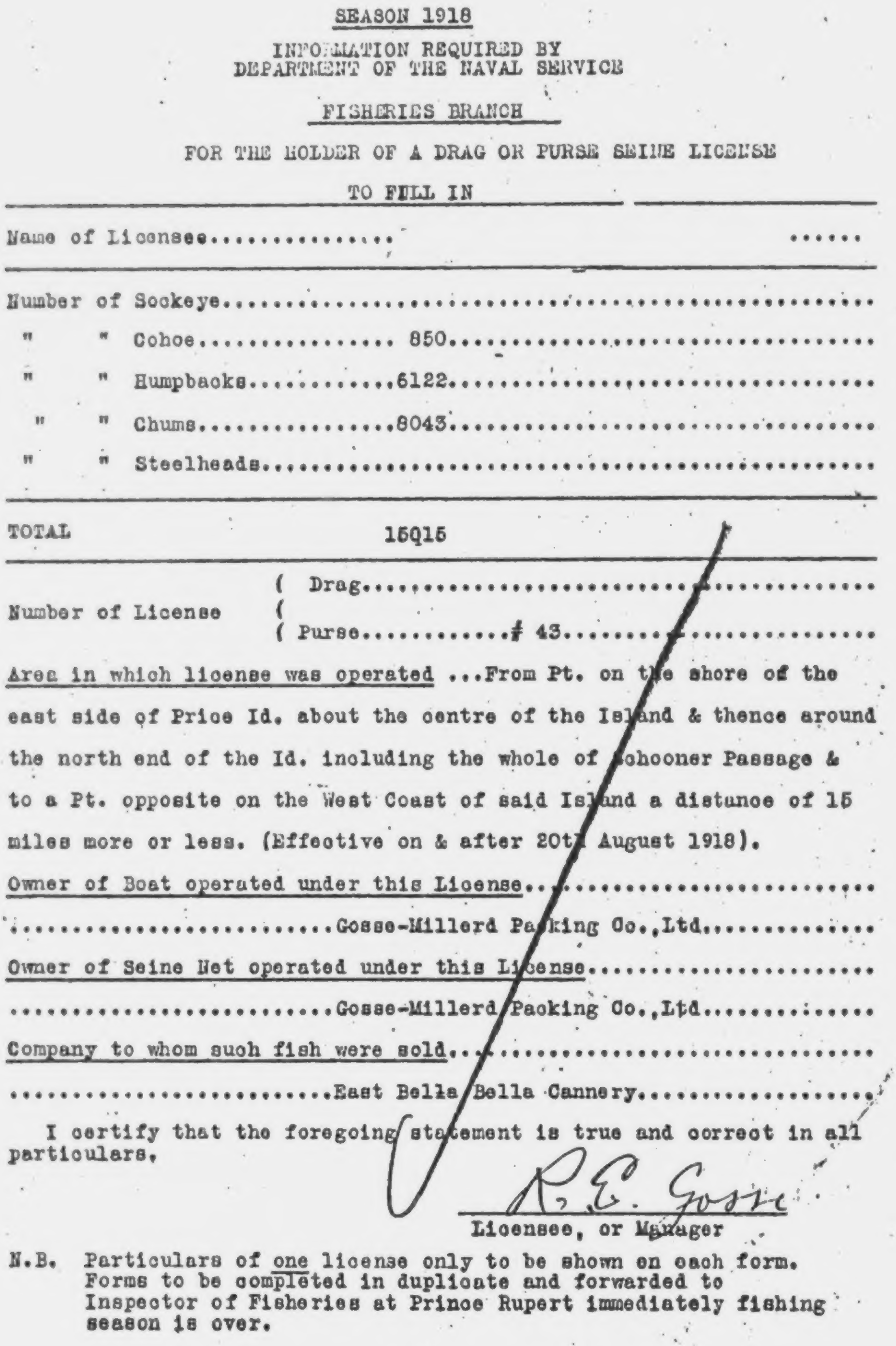
STATED BELOW IS A BREAKDOWN, BY AREAS, OF THE TOTAL GREEN CWT. OF SALMON SHOWN IN LEFT HAND COLUMN OF SUPPLEMENTAL SCHEDULE, SECTION 1

*AREAS OF CATCH	SOCKEYE GREEN CWT.	RED SPRING GREEN CWT.	PINK SPRING GREEN CWT.	JACK SPRING GREEN CWT.	WHITE SPRING GREEN CWT.	STEELHEAD GREEN CWT.	BLUEBACKS GREEN CWT.	COHO GREEN CWT.	PINKS GREEN CWT.	CHUMS GREEN CWT.	TOTALS GREEN CWT
DISTRICT NO. 1											
Q. C. ISLANDS, NORTH											
Q. C. ISLANDS, SOUTH											
THE NAAS RIVER											
THE SKEENA RIVER											
GRENVILLE—PRINCIPE											
BUTEDALE											
BELLA BELLA											
BELLA COOLA											
RIVERS INLET											
SMITHS INLET											
JOHNSTONE (ALERT BAY)											
STRAITS (QUATHIASKI)											
COMOX											
PENDER HARBOUR											
NANAIMO											
VICTORIA											
NITINAT											
BARKLEY SOUND											
CLAYOQUOT											
NOOTKA											
KYUQUOT											
QUATSINO											
TOTALS:											

*ALL WATERS OF THE B.C. COAST ARE COVERED IN THIS COLUMN. PLEASE DETERMINE THE CORRECT AREA OF CATCH AND ENTER THE APPROPRIATE FIGURES. PLEASE DO NOT CROSS OUT STATED AREAS AND SUBSTITUTE OTHERS

(SEE OVER)

Table B34. Form used in 1918 by The Holder of a Drag or Purse Seine License to record the numbers of salmon harvested.



SEASON 1918

INFORMATION REQUIRED BY
DEPARTMENT OF THE NAVAL SERVICE

FISHERIES BRANCH

FOR THE HOLDER OF A DRAG OR PURSE SEINE LICENSE
TO FILL IN

Name of Licensee..............

Number of Sockeye..............

" " Cohoe.............. 850..............

" " Humpbacks..............6122..............

" " Chums..............8043..............

" " Steelheads..............

TOTAL 15015

Number of License (Drag.............. (Purse..............# 43..............

Area in which license was operated ...From Pt. on the shore of the east side of Price Id. about the centre of the Island & thence around the north end of the Id. including the whole of Schooner Passage & to a Pt. opposite on the West Coast of said Island a distance of 15 miles more or less. (Effective on & after 20th August 1918).

Owner of Boat operated under this License..............

..............Gosse-Millerd Packing Co.,Ltd..............

Owner of Seine Net operated under this License..............

..............Gosse-Millerd Packing Co.,Ltd..............

Company to whom such fish were sold..............

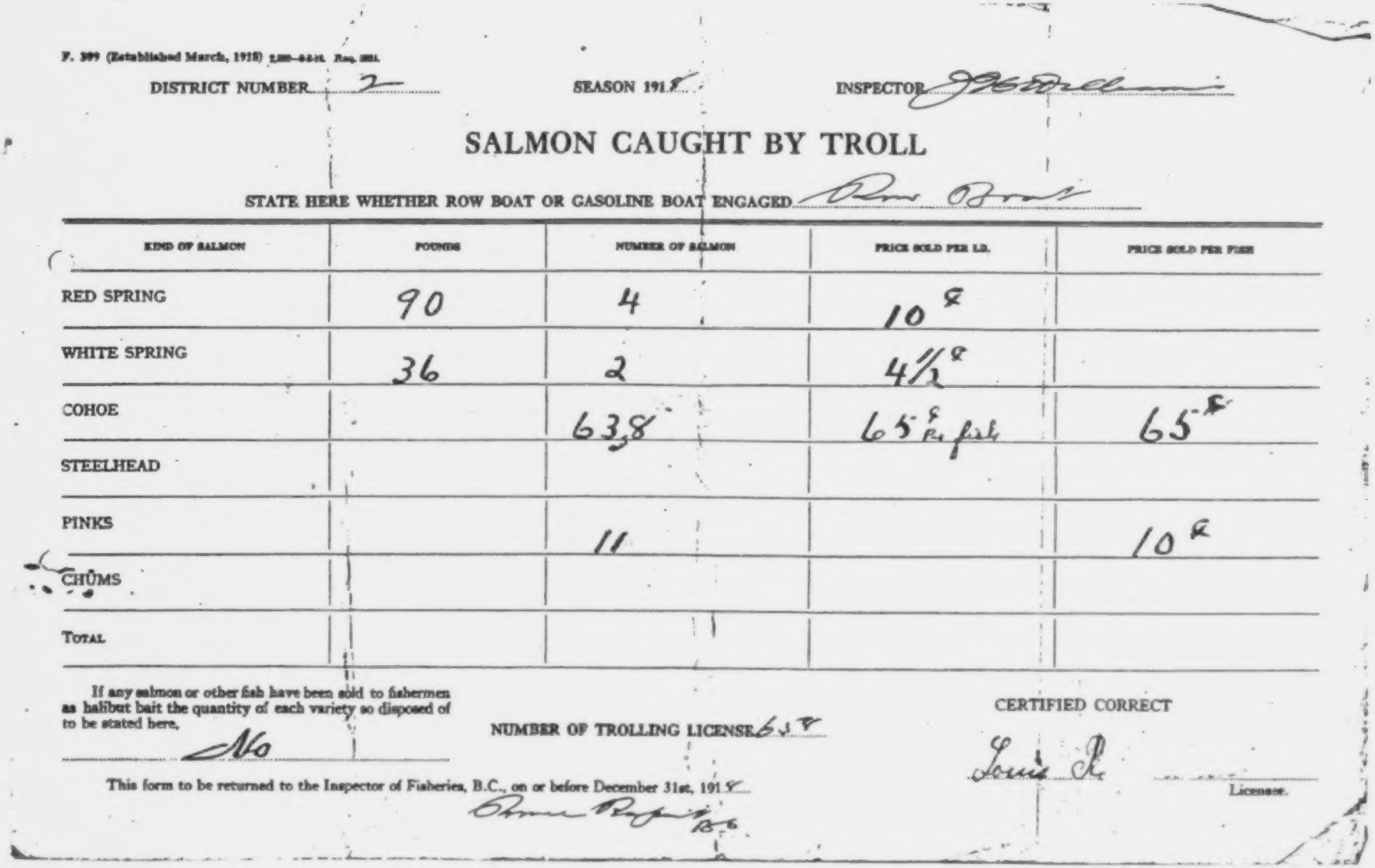
..............East Bella Bella Cannery..............

I certify that the foregoing statement is true and correct in all particulars,

R. E. Gosse
Licensee, or Manager

N.B. Particulars of one license only to be shown on each form. Forms to be completed in duplicate and forwarded to Inspector of Fisheries at Prince Rupert immediately fishing season is over.

Table B35. Form used in 1918 by The Holder of a Trolling License to record the numbers of salmon harvested.



F. 399 (Established March, 1918) [illegible]

DISTRICT NUMBER 2 SEASON 1918 INSPECTOR

SALMON CAUGHT BY TROLL

STATE HERE WHETHER ROW BOAT OR GASOLINE BOAT ENGAGED Row Boat

KIND OF SALMON	POUNDS	NUMBER OF SALMON	PRICE SOLD PER LB.	PRICE SOLD PER FISH
RED SPRING	90	4	10¢	
WHITE SPRING	36	2	4½¢	
COHOE		638	65¢ per fish	65¢
STEELHEAD				
PINKS		11		10¢
CHUMS				
TOTAL				

If any salmon or other fish have been sold to fishermen as halibut bait the quantity of each variety so disposed of to be stated here, No

NUMBER OF TROLLING LICENSE 638

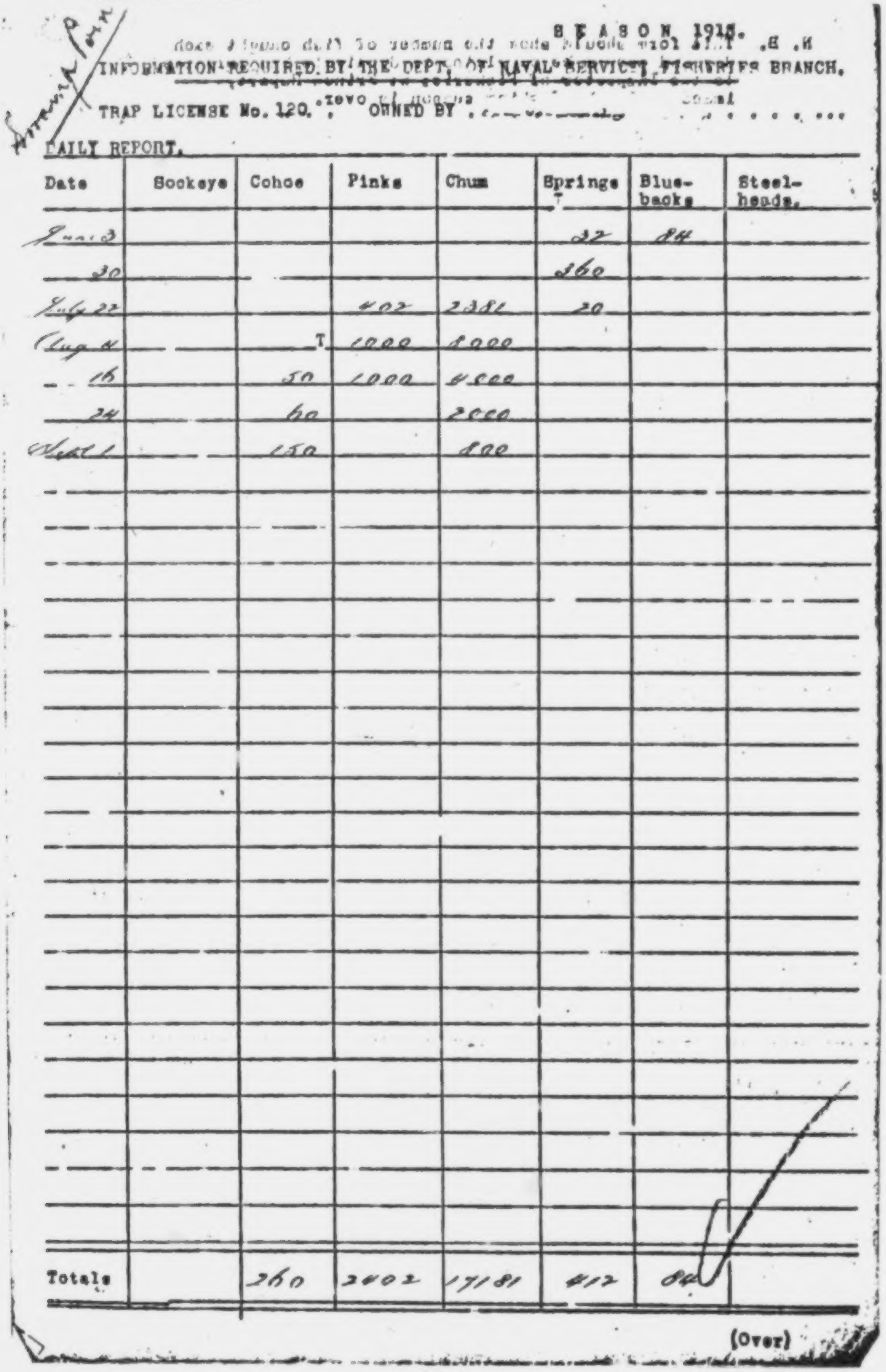
CERTIFIED CORRECT

Louis R.

Licensee.

This form to be returned to the Inspector of Fisheries, B.C., on or before December 31st, 1918

Table B36. Form used in 1918 by The Holder of a Trap Net License to record the numbers of salmon harvested.



[illegible]

SEASON 1918.

INFORMATION REQUIRED BY THE DEPT. OF NAVAL SERVICE, FISHERIES BRANCH.

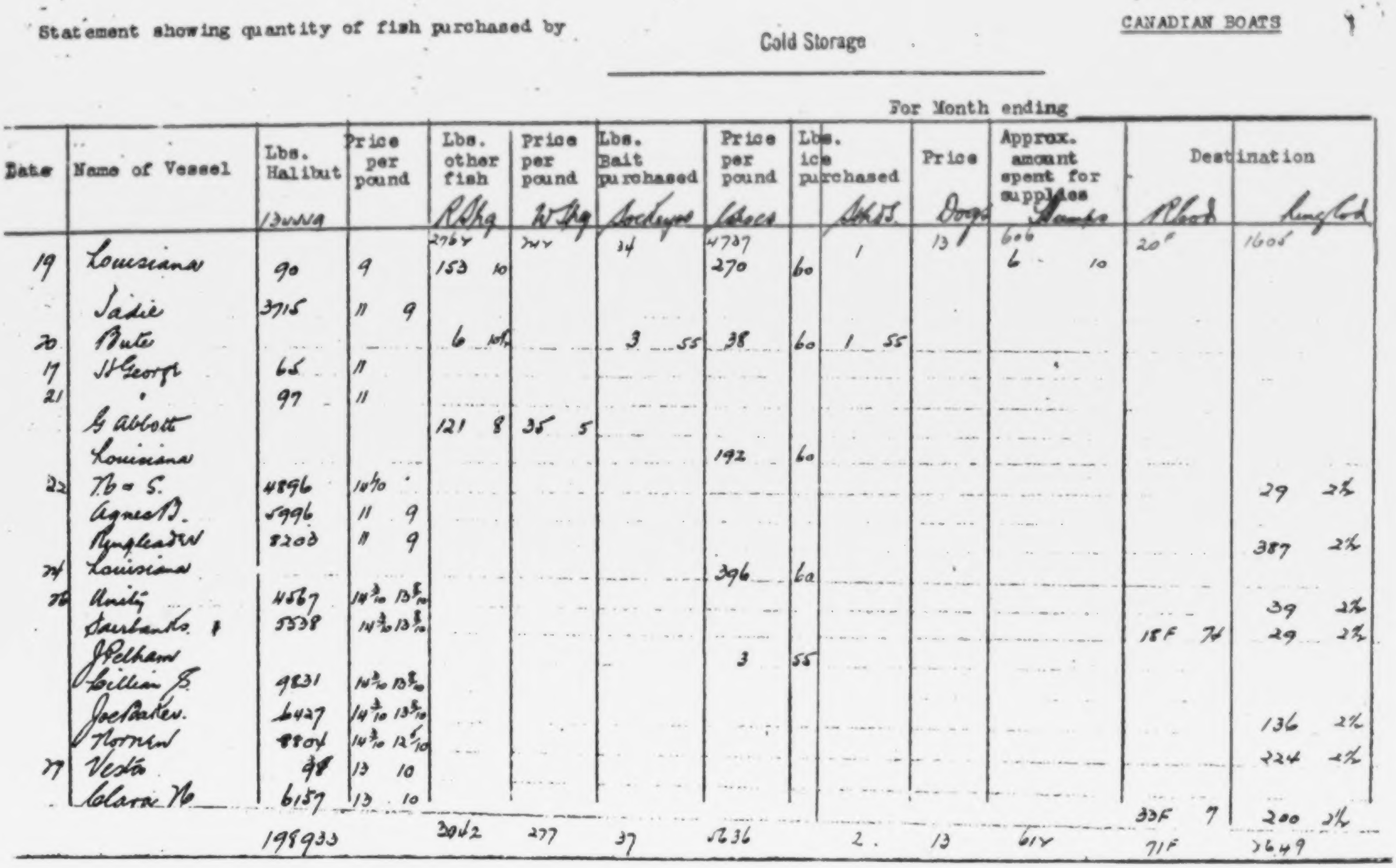
TRAP LICENSE No. 120. OWNED BY [illegible]

DAILY REPORT.

Date	Sockeye	Cohoe	Pinks	Chum	Springs	Blue-backs	Steel-heads.
June 3					32	84	
30					360		
July 22			402	2381	20		
Aug 4			1000	8000			
16		50	1000	4000			
24		60		2000			
Sept 1		150		800			
Totals		260	2402	17181	412	84	

(Over)

Table B37. Statement showing the quantity of salmon purchased by a cold storage facility in 1918.



Statement showing quantity of fish purchased by Cold Storage

CANADIAN BOATS

For Month ending

Date	Name of Vessel	Lbs. Halibut	Price per pound	Lbs. other fish	Price per pound	Lbs. Bait purchased	Price per pound	Lbs. ice purchased		Price	Approx. amount spent for supplies	Destination	
		[illegible]		R Skg	W Skg	Sockeye	Cohoes		Sthd.	Dogs	Humps	R Cod	Ling Cod
				2764	244	34	4737			13	606	20	1605
19	Louisiana	90	9	153 10			270	60	1		6 10		
	Sadie	3715	11 9										
20	Bute			6 10½		3 55	38	60	1 55				
17	St George	65	11										
21	•	97	11										
	G Abbott			121 8	35 5								
	Louisiana						192	60					
22	T.B.-S.	4896	10 4/10										29 2½
	Agnes B.	5996	11 9										
	Ringleader	8203	11 9										387 2½
24	Louisiana						396	60					
26	Unity	4567	14 3/10 13 8/10										39 2½
	Fairbanks	5538	14 3/10 13 8/10									18F 74	29 2½
	J Pelham						3	55					
	Lillian S.	9231	14 3/10 13 8/10										
	Joe Baker.	6427	14 3/10 13 8/10										136 2½
	Norman	8804	14 3/10 12 6/10										224 2½
27	Vesta	98	13 10										
	Clara N.	6157	13 10									33F 7	200 2½
		198933		3042	277	37	5236		2.	13	614	71F	2649

Table B38a. Statement showing the number of salmon caught by purse seine in the Nass River area to September 15, 1918.

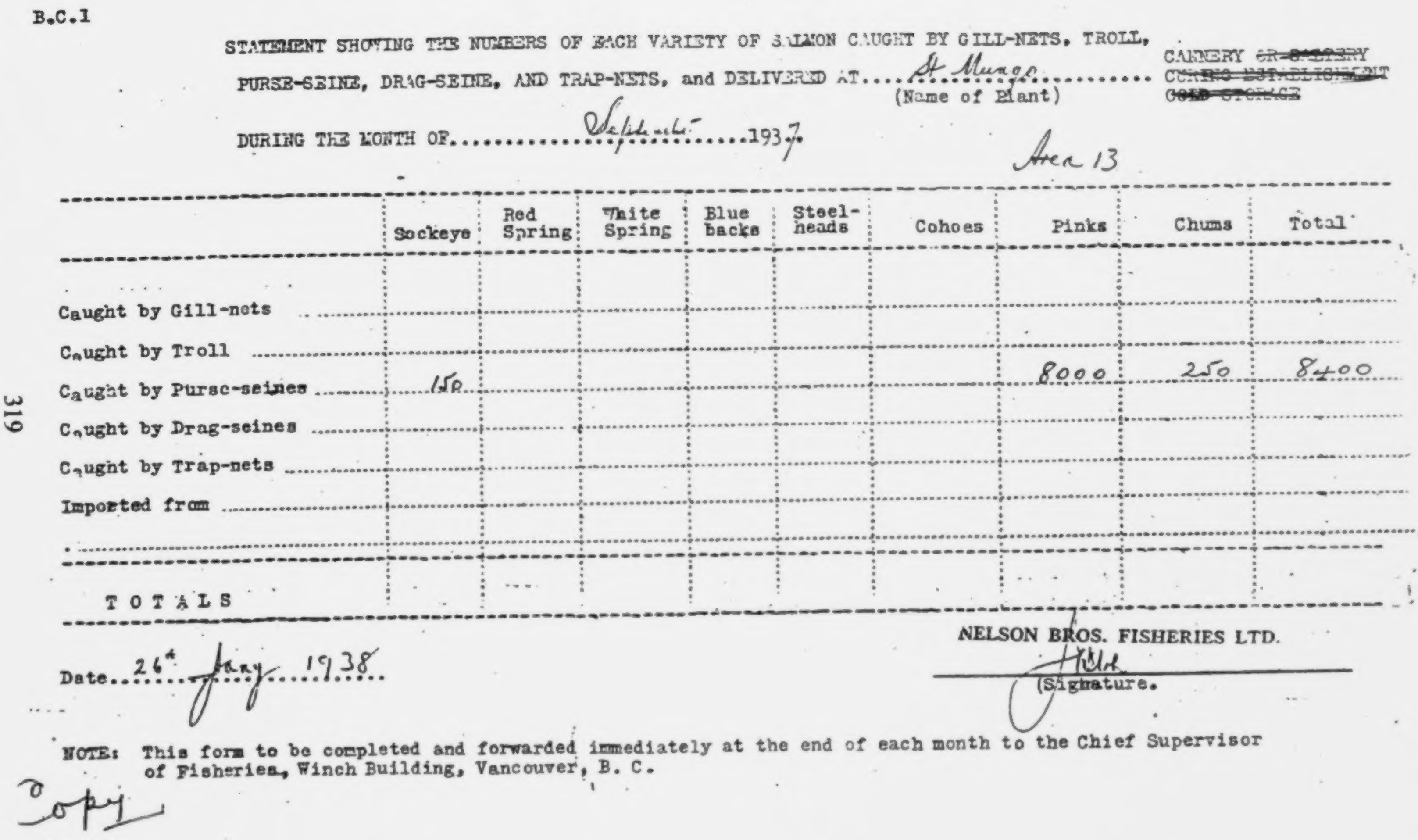
---------- NUMBER OF SALMON CAUGHT BY SEINE -------
IN NAAS RIVER DISTRICT FOR SEASON 1918
UP TO SEPTEMBER 15th.

No.of License	District in which Seine was operated	No.of Sookeye	No.of Pinks	No,of Cohoe	No.of Spring	No.of Chum	
Drag #31	Porcher Island	-	6000	19	-	-	FINISHED OPERATING
Drag #34	Work Canal	-	477	-	-	-	
Drag #40	Dundas Island	10	22000	300	-	6000	
Purse #32	Turk Creek Wales Is.	--- NOT OPERATED ------------					
" #33	Work Canal	-	25000	-	-	5000	
" #35	Dogfish.By.PearseIs.	-	22000	-	-	2400	
" #36	Alice Arm	-	20000	-	-	3176	
" #39	Portland Canal	-	10000	150	-	3300	
? Drag # 9	— Dundas&P.Rupert Hbr.	---NOT OPERATED-------------					
? Purse #148	Khutzeymateen Inlet	130	151305	406	3	17456	
? Drag #311	Quinamass	-	64503	94	-	2257	
Purse #67	Salmon Cove	8	7306	29	-	3633	
" #68	Hastings Arm	---NOT OPERATED-------------					
A #69	Alice Arm	1	189	26	-	7808	STILL OPERATING
Drag #81	Portland Canal	-	380	53	-	4016	FINISHED OPERATING
" #32	Portland Canal	-	1148	40	-	8033	STILL OPERATING
Purse #244	Union Bay and part of Steamer Passage	106	43728	35	-	3624	FINISHED OPERATING

------------ NUMBER OF SALMON CAUGHT IN TRAPS------------
DURING SEASON AS ABOVE

No.of License	District in which Seine was operated	No.of Sookeye	No.of Pinks	No,of Cohoe	No.of Spring	No.of Chum	
Trap #37	NOT OPERATED OWING TO STRONG CURRENT-------------						
" #38	NOT OPERATED-----------------------------						
" #342 ✓	Dogfish Bay	39	20139	413	381	4157	FINISHED OPERATING
119 " ~~#30~~ ✓	Spit Point	-	45670	329	192	13810	
120 #31 #31 ✓	Swamp Point	-	2403	260	504	17181	

Table B38b Statement used by fishing establishments to report numbers of salmon and steelhead landings by gear type and month in 1937.



B.C.1

STATEMENT SHOWING THE NUMBERS OF EACH VARIETY OF SALMON CAUGHT BY GILL-NETS, TROLL, PURSE-SEINE, DRAG-SEINE, AND TRAP-NETS, and DELIVERED AT........St Mungo.................... CANNERY ~~OR SALTERY~~ ~~CURING ESTABLISHMENT~~ ~~COLD STORAGE~~
(Name of Plant)

DURING THE MONTH OF............September..........1937.

Area 13

	Sockeye	Red Spring	White Spring	Blue backs	Steel-heads	Cohoes	Pinks	Chums	Total
Caught by Gill-nets									
Caught by Troll									
Caught by Purse-seines	150						8000	250	8400
Caught by Drag-seines									
Caught by Trap-nets									
Imported from									
TOTALS									

NELSON BROS. FISHERIES LTD.

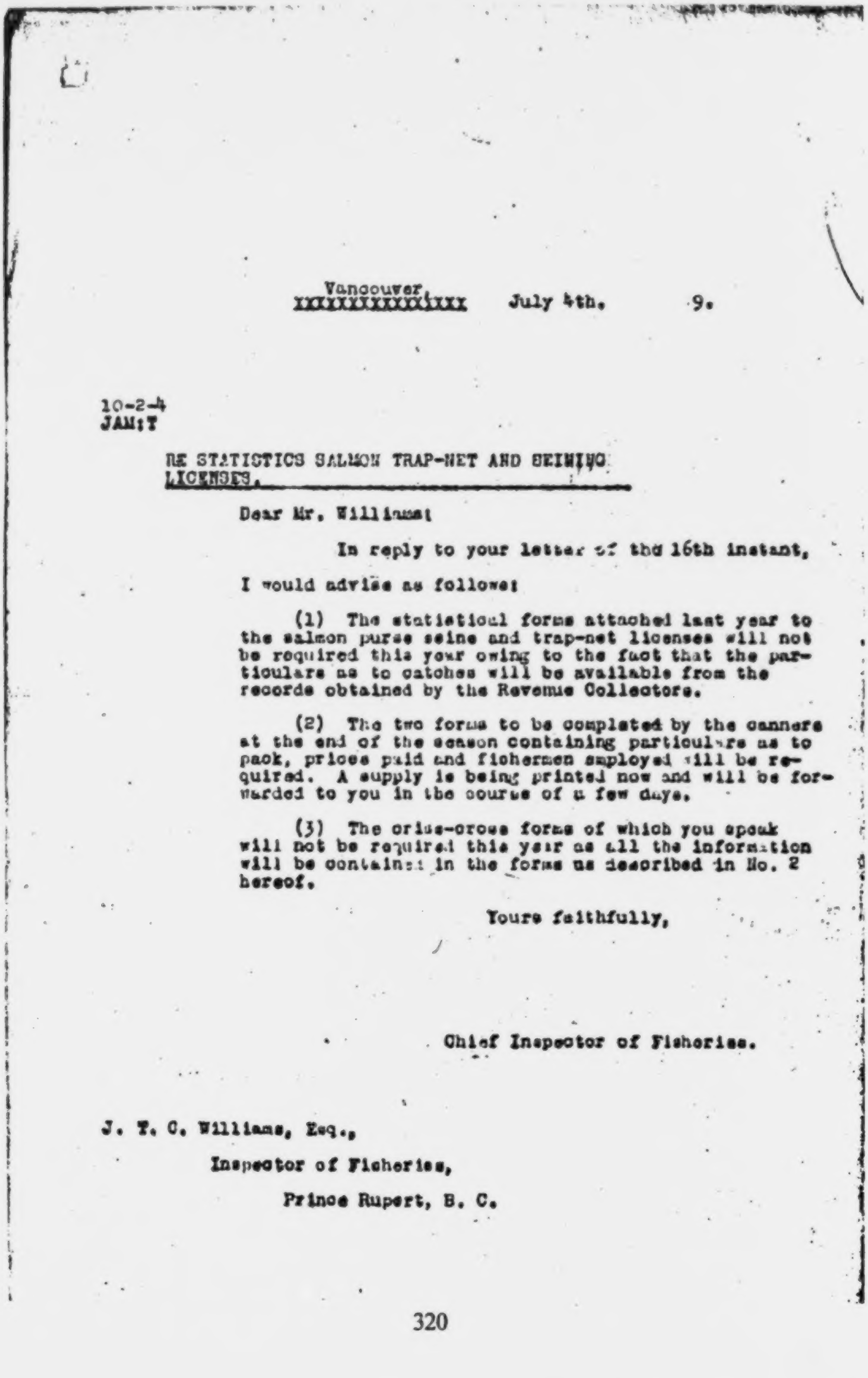
(Signature.

Date..26th Jany 1938..

NOTE: This form to be completed and forwarded immediately at the end of each month to the Chief Supervisor of Fisheries, Winch Building, Vancouver, B. C.

Copy

Table B39. Correspondence suggesting that catch information on forms completed by holders of fishing licenses was used by "Revenue Collectors".



Vancouver,
xxxxxxxxxxxxxxxx July 4th, 9.

10-2-4
JAM:T

RE STATISTICS SALMON TRAP-NET AND SEINING LICENSES.

Dear Mr. Williams:

In reply to your letter of the 16th instant, I would advise as follows:

(1) The statistical forms attached last year to the salmon purse seine and trap-net licenses will not be required this year owing to the fact that the particulars as to catches will be available from the records obtained by the Revenue Collectors.

(2) The two forms to be completed by the canners at the end of the season containing particulars as to pack, prices paid and fishermen employed will be required. A supply is being printed now and will be forwarded to you in the course of a few days.

(3) The criss-cross forms of which you speak will not be required this year as all the information will be contained in the forms as described in No. 2 hereof.

Yours faithfully,

Chief Inspector of Fisheries.

J. T. C. Williams, Esq.,
Inspector of Fisheries,
Prince Rupert, B. C.

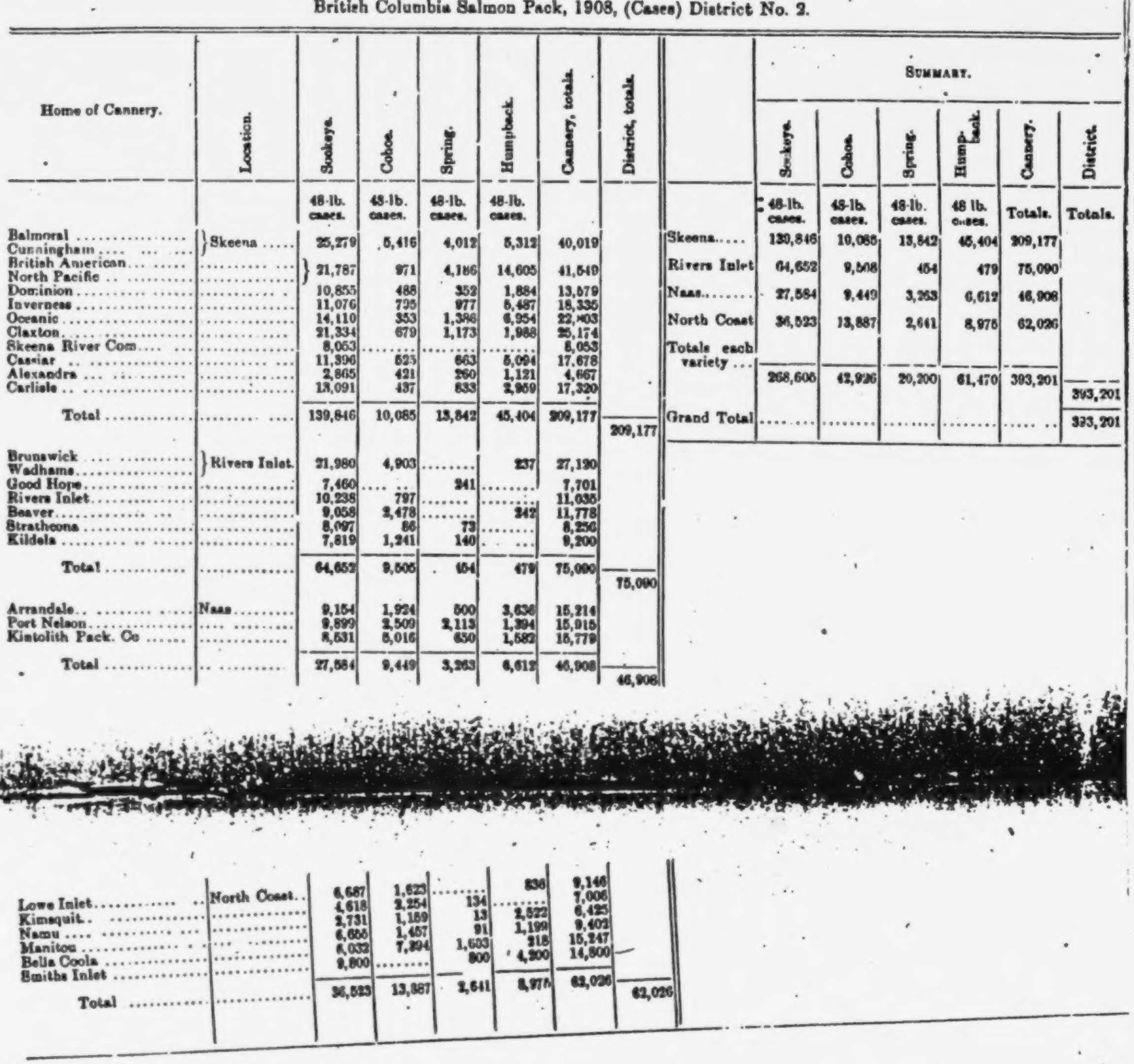
Table B40. Pack of British Columbia Salmon, Season 1920 from the Report of the Fisheries Commissioner for British Columbia for the Year Ending December 31, 1920.

PACK OF BRITISH COLUMBIA SALMON, SEASON 1920.

COMPILED FROM DATA FURNISHED THE DEPARTMENT BY THE B.C. SALMON CANNERS' ASSOCIATION.

Names.	Sockeyes.	Red Springs.	Pink and White Springs.	Bluebacks and Steelheads	Cohoes.	Pinks.	Chums.	Grand Totals (Cases.)
Fraser River District—								
B.C. Packers' Association	21,655	9,816	3,500	3,867	7,261	101	1,186	47,293
J. H. Todd & Sons, Fraser River	4,081	1,348	71	99	5,427	......	3	11,029
Gosse-Millerd Packing Co., Ltd.	4,802	1,414	706	30	2,078	3	1,829	10,854
M. DesBrisay & Co.	1,403	364	78		79	......	11	1,990
St. Mungo Canning Co., Ltd.	2,415	1,729	......	......	3,477	......	815	8,446
Great West Packing Co., Ltd.	4,205	1,520	23	......	1,985	......	115	8,226
Glen Rose Canning Co., Ltd.	4,061	2,430	......	308	1,897	......	413	8,800
Canadian Fishing Co., Ltd.	2,016	1,061	......	......	730	......	19,512	36,223
JUAN — J. H. Todd & Sons (Esquimalt)	2,247	......	......	168		12,735	......	2,247
Sooke Harbour Fg. & Pk. Co., Ltd.	1,554	......	......	......	4-0	......	......	1,554
Totals	48,390	19,691	4,482	4,522	22,984	12,839	23,884	136,661
Skeena River District—								
B.C. Packers' Association	15,388	13,245	1,006	205	5,543	36,900	265	72,752
Anglo B.C. Packing Co., Ltd.	11,807	8,708	1,083	48	859	32,167	19	49,901
J. H. Todd & Sons	6,420	6,071	891	......	6,061	11,008	......	30,526
Kildala Packing Co., Ltd.	5,041	1,178	222	257	836	11,209	663	18,996
B.C. Canning Co., Ltd.	8,905	1,506	603	88	1,585	8,802	34	21,866
Northern B.C. Fisheries, Ltd.	8,042	2,343	319	341	1,596	15,404	5	29,050
Cassiar Packing Co., Ltd.	6,500	1,653	578	22	345	10,504	126	19,823
Wallace Fisheries, Ltd.	10,607	2,108	......	......	505	17,640	......	31,250
Can. Fish & Cold Storage Co., Ltd.	6,078	2,734	345	......	400	12,586	1,206	23,852
Gosse-Millerd Packing Co., Ltd.	9,224	1,100	140	250	742	15,265	1,418	31,161
Maritime Fisheries, Ltd.	874	449	40	38	35	3,310	99	4,846
Totals	80,064	37,403	5,321	1,218	18,008	177,679	3,834	332,887
Rivers Inlet District—								
B.C. Packers' Association	33,499	123	33		212	4,721	30	38,617
Anglo B.C. Packing Co., Ltd.	12,683	......	62	......	41	1,074	43	13,923
J. H. Todd & Sons	8,724	......	12	......	2,310	4,225	718	15,995
Provincial Canning Co., Ltd.	8,679	1,271	87	......	371	3,519	57	13,884
B.C. Canning Co., Ltd.	16,428	24	21	......	......	1,884	......	17,357
Kildala Packing Co., Ltd.	12,466	40	19	......	21	1,356	8	13,918
Gosse-Millerd Packing Co., Ltd.	14,312	31	3	......	8	2,422	79	16,865
Wallace Fisheries, Ltd.	13,255	33	14	......	35	6,446	232	19,768
NLST — Northern Fisheries (Namu)	6,004	......	......	......	......	......	......	6,004
Totals	125,742	1,522	271	......	2,908	25,647	1,226	157,582
Nass River District—								
B.C. Packers' Association	2,991	1,134	370	207	351	1,886	661	7,370
Anglo B.C. Packing Co., Ltd.	3,947	118	240	104	222	10,300	1,757	16,788
Northern B.C. Fisheries, Ltd.	3,722	2,076	510	126	1,227	12,841	3,218	23,214
M. DesBrisay & Co.	3,074	109	......	......	1,030	15,171	6,287	26,251
Western Salmon Packers, Ltd.	2,106	90	161	63	279	3,774	1,327	7,630
Totals	16,740	3,580	1,271	500	3,700	43,151	12,145	81,153
Vancouver Island District—								
JUAN — J. H. Todd & Sons	......	4,517	2,178		4,435	81	2,910	14,091
WCVI — Wallace Fisheries, Ltd.	402	3,697	3	......	2,005	24	......	6,101
JON — Quathiaski Canning Co., Ltd.	786	482	60	......	4,195	8,115	5,551	10,183
WCVI — Clayoquot Sound Canning Co., Ltd.	4,711	1,481	138	......	469	......	1,572	8,371
[illegible] — Redonda Can. & Cold Stor. Co., Ltd.	15	105	......	......	186	1,367	[illegible]	[illegible]
WCVI — Nootka Packing Co., Ltd.	......	7,589	881	438	[illegible]	......	[illegible]	10,[illegible]
Gosse-Millerd Packing Co., Ltd.	......	6,089	[illegible]	......	781	......	187	[illegible]
JUAN. — Sooke Harbour Fg. & Pk. Co., Ltd.	......	1,078	96	......	[illegible]	80	1,[illegible]	[illegible]
JON — Western Packers, Ltd.	1,016	88	......	......	[illegible]	4,776	673	10,251
Totals	6,967	25,090	3,531	438	20,555	14,391	12,391	84,170
Outlying Districts—								
B.C. Packers' Association	32,803	2,587	2,785	3,306	12,180	28,500	855	72,857
JON — Anglo B.C. Packing Co., Ltd.	1,888	972	2,928	......	4,985	27,508	133	38,414
NCST — Gosse-Millerd Packing Co., Ltd.	3,116	606	5	21	3,964	32,365	18,017	58,303
Kildala Packing Co., Ltd.	3,207	411	218	186	140	7,078	1,641	12,881
Wallace Fisheries, Ltd.	7,211	30	......	......	79	58,154	......	60,474
NCST — Northern B.C. Fisheries, Ltd.	5,330	1,101	901	306	5,718	58,314	4,078	75,899
Western Packers, Ltd.	20,013	15	......	......	1,968	14,986	8,818	43,658
QCI — Maritime Fisheries, Ltd.	......	1,824	143	......	......	12,884	358	14,609
JON — Preston Packing Co., Ltd.	......	855	402	......	4,778	12,000	49	18,829
Totals	64,473	8,101	7,532	3,721	33,807	247,140	30,946	386,223
Grand Totals	351.405	85.383	22.318	10.456	101.972	500.855	84.628	1.187.616

Table B41. British Columbia Salmon Pack, 1908 (Cases) District No. 2 from the Forty-Second Annual Report of the Department of Marine and Fisheries, 1908-9.



British Columbia Salmon Pack, 1908, (Cases) District No. 2.

Home of Cannery.	Location.	Sockeye.	Cohoe.	Spring.	Humpback.	Cannery, totals.	District, totals.
		48-lb. cases.	48-lb. cases.	48-lb. cases.	48-lb. cases.		
Balmoral Cunningham	Skeena	25,279	5,416	4,012	5,312	40,019	
British American North Pacific		21,787	971	4,186	14,605	41,549	
Dominion		10,855	488	352	1,884	13,579	
Inverness		11,076	795	977	5,487	18,335	
Oceanic		14,110	353	1,386	6,954	22,803	
Claxton		21,334	679	1,173	1,988	25,174	
Skeena River Com		8,053				8,053	
Cassiar		11,396	525	663	5,094	17,678	
Alexandra		2,865	421	260	1,121	4,667	
Carlisle		13,091	437	833	2,959	17,320	
Total		139,846	10,085	13,842	45,404	209,177	209,177
Brunswick Wadhams	Rivers Inlet.	21,980	4,903		237	27,120	
Good Hope		7,460		241		7,701	
Rivers Inlet		10,238	797			11,035	
Beaver		9,058	2,478		242	11,778	
Strathcona		8,097	86	73		8,256	
Kildala		7,819	1,241	140		9,200	
Total		64,652	9,505	454	479	75,090	75,090
Arrandale	Naas	9,154	1,924	500	3,636	15,214	
Port Nelson		9,899	2,509	2,113	1,394	15,915	
Kintolith Pack. Co		8,531	5,016	650	1,582	15,779	
Total		27,584	9,449	3,263	6,612	46,908	46,908
Lowe Inlet	North Coast	6,687	1,623		836	9,146	
Kimsquit		4,618	2,254	134		7,006	
Namu		3,731	1,189	13	2,522	6,425	
Manitou		6,666	1,457	91	1,199	9,402	
Bella Coola		6,032	7,294	1,603	218	15,247	
Smiths Inlet		9,800		800	4,200	14,800	
Total		36,523	13,887	2,641	8,975	62,026	62,026

SUMMARY.

	Sockeye.	Cohoe.	Spring.	Humpback.	Cannery.	District.
	48-lb. cases.	48-lb. cases.	48-lb. cases.	48 lb. cases.	Totals.	Totals.
Skeena	139,846	10,085	13,842	45,404	209,177	
Rivers Inlet	64,652	9,508	454	479	75,090	
Naas	27,584	9,449	3,263	6,612	46,908	
North Coast	36,523	13,887	2,641	8,975	62,026	
Totals each variety	268,605	42,926	20,200	61,470	393,201	393,201
Grand Total						393,201

Table B42. Pack of Canned Salmon on the Skeena River - 1876 to 1927 from the Sixty-First Annual Report of the Fisheries Branch of the Department of Marine and Fisheries, 1927-28.

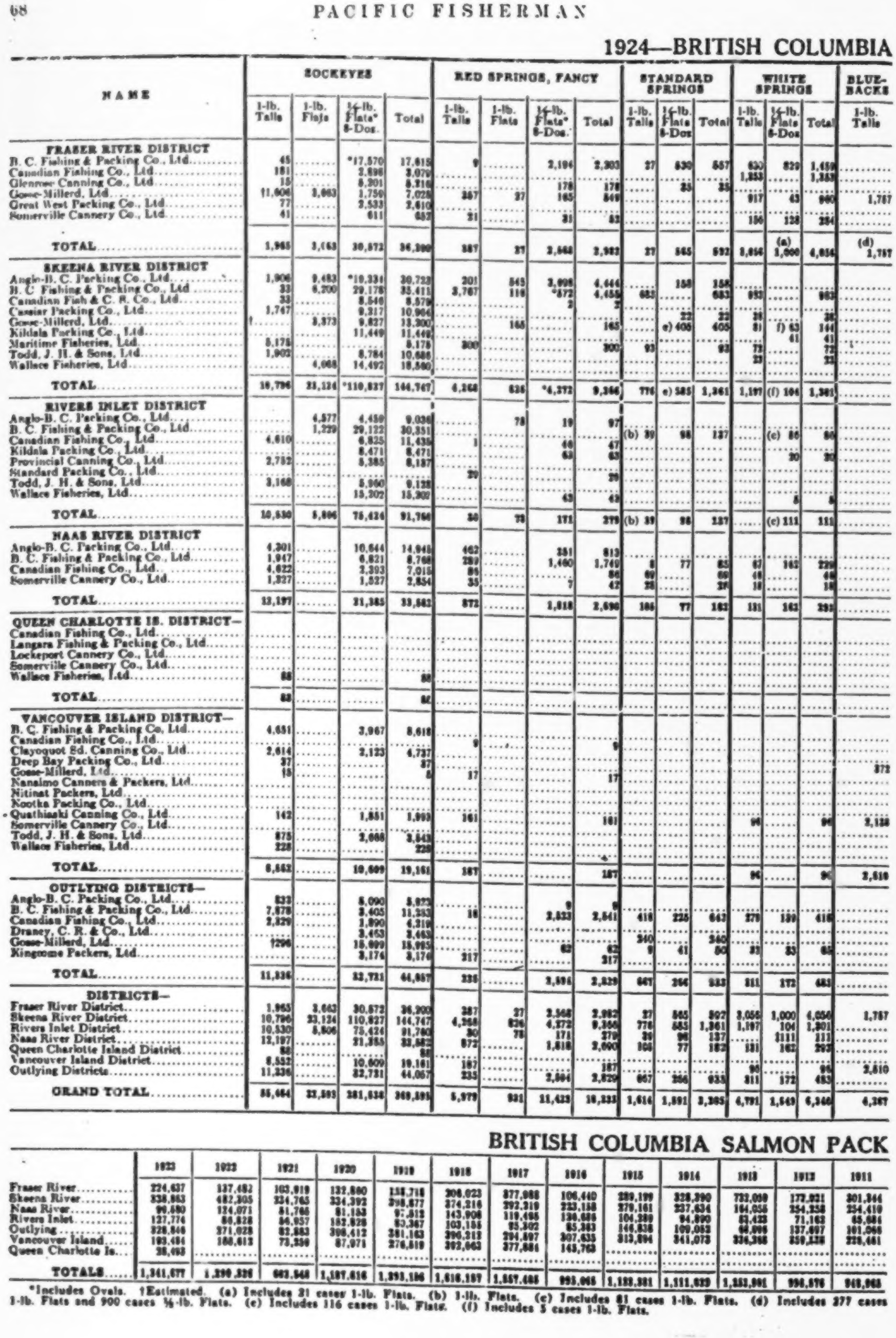
PACK OF CANNED SALMON ON THE SKEENA RIVER—1876 TO 1927*

STATEMENT No. 3

Year	Number of canneries operated	Number of salmon licenses issued					Sockeye °	Red Spring	Pink Spring	White Spring	Bluebacks	Steelheads	Cohoes	Pinks	Chums	Totals
		G.N.	Troll	P.S.	D.S.	T.N.										
1876																
1877	1															3,000
1878	2															8,500
1879	2															10,603
1880	2															19,694
1881	2															21,560
1882	2															24,523
1883	5															31,157
1884	5															53,966
1885	2															12,900
1886	3															37,557
1887	5															56,592
1888	5															70,106
1889	6															58,165
1890	7															90,509
1891	7															78,135
1892	8															90,280
1893	7															80,678
1894	7															61,151
1895	7															67,797
1896	8															100,140
1897	8															65,905
1898	6															81,234
1899	7															105,026
1900	10															128,520
1901	11															126,002
1902	10															152,875
1903	10															96,669
1904	11						93,404	20,631	(Red & Wh. Springs)				10,318	30,829		154,669
1905	12						84,717	14,598	(Red & Wh. Springs)				7,247	7,823		114,065
1906	14						86,394	20,138					16,867	38,991 (Pk. & Ch.)		162,420
1907	13						105,413	10,378					15,347	25,217 (Pk. & Ch.)		*159,255
1908	13						139,846	13,374		468			10,075	45,404 (Pk. & Ch.)		209,177
1909	12						87,901	11,727		742			12,249	28,120 (Pk. & Ch.)		140,739
1910	12						187,246	9,546		230			11,531	13,473		222,035
1911	12	850					131,006	15,514		2,428			23,376	81,950	70	254,419
1912	12	850					92,498	19,332		4,501			39,835	97,588	504	254,258
1913	13	850					52,927	23,250		3,186			18,647	66,015		164,056
1914	13	850					130,166	11,529		211			16,378	71,011	8,329	237,634
1915	13	962					116,553	15,069		201		1,798	32,190	107,578	5,769	279,161
1916	14	868					60,923	18,372		2,561		3,743	47,400	73,029	17,121	223,158
1917	15	*788					65,760	13,586		3,609		1,883	38,456	148,319	21,516	292,219
1918	15	*889					123,322	16,013		6,828		4,904	28,730	161,727	22,573	374,316
1919	14	1,153					184,945	19,661	3,624	2,656		2,672	36,650	117,303	31,457	396,877
1920	15	954					90,869	37,403	2,196	3,123		1,318	18,068	177,679	3,834	334,393
1921	13	1,100					40,018	18,500	2,722	445		498	45,033	124,457	1,993	234,765
1922	13	1,091					100,615	7,050	5,591	1,805		1,050	24,673	203,555	17,668	362,055
1923	13	900					131,731	8,863	2,885	499		418	31,967	145,973	16,527	338,863
1924	13	941					144,732	9,511	1,361	1,301		314	36,907	181,338	25,603	390,967
†1925	13	1,007					77,785	17,611	1,657	2,457		700	38,039	137,226	10,667	76,353
‡1925							81,149	19,185	1,657	2,603		713	39,168	130,083	74,306	348,866
†1926	15	1,129					82,307	17,696	906	1,750		704	30,153	170,586	46,382	350,804
‡1926							82,357	17,696	906	1,750		764	30,200	210,064	63,527	407,833
†1927	13	1,195					83,968	13,595	3,567	1,600		646	35,200	38,903	9,656	177,173
‡1927							83,984	14,856	3,567	1,600		580	25,623	38,761	16,659	187,639

*Approximately.
†Pack of fish caught at Skeena River regardless where canned. ‡Pack at Skeena River regardless where caught.
Note.—Licenses issued 1923, 1924, 1925, 1926 and 1927 include transfers from other districts.
°For the years 1877 to 1903. Particulars of varieties not available—practically all sockeye.

Table B43. British Columbia Salmon Pack - 1924 from the Pacific Fisherman Yearbook for 1924. Continued.



68 PACIFIC FISHERMAN

1924—BRITISH COLUMBIA

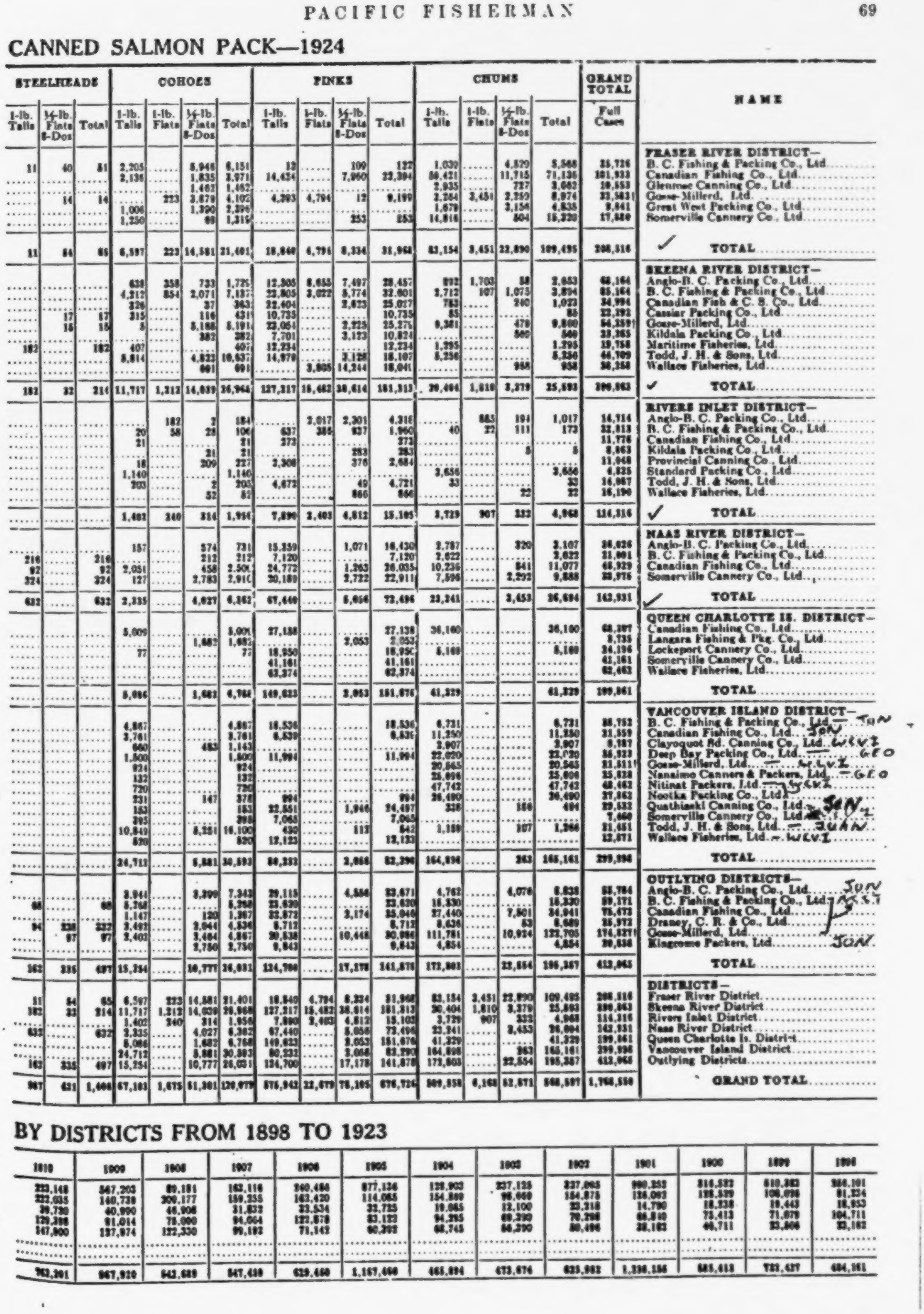
NAME	SOCKEYES				RED SPRINGS, FANCY				STANDARD SPRINGS			WHITE SPRINGS			BLUEBACKS
	1-lb. Talls	1-lb. Flats	½-lb. Flats* 8-Doz.	Total	1-lb. Talls	1-lb. Flats	½-lb. Flats* 8-Doz.	Total	1-lb. Talls	½-lb. Flats 8-Doz	Total	1-lb. Talls	½-lb. Flats 8-Doz	Total	1-lb. Talls
FRASER RIVER DISTRICT															
B. C. Fishing & Packing Co., Ltd	45		*17,770	17,815	9		2,194	2,203	27	530	557	630	829	1,459	
Canadian Fishing Co., Ltd	181		2,898	3,079								1,353		1,353	
Glenrose Canning Co., Ltd	15		5,301	5,316			178	178		35	35				
Gosse-Millerd, Ltd	†1,606	3,463	1,759	6,828	357	27	165	549				917	43	960	1,787
Great West Packing Co., Ltd	77		2,533	2,610											
Somerville Cannery Co., Ltd	41		611	652	21		31	52				156	128	284	
TOTAL	1,965	3,463	30,872	36,300	387	27	2,568	2,982	27	565	592	3,056	(a) 1,000	4,056	(d) 1,787
SKEENA RIVER DISTRICT															
Anglo-B. C. Packing Co., Ltd	1,906	9,483	*19,334	30,723	201	545	3,698	4,444		158	158				
B. C. Fishing & Packing Co., Ltd	33	6,200	29,178	35,411	3,767	116	*572	4,455	683		683	991		991	
Canadian Fish & C. S. Co., Ltd	33		8,546	8,579			2	2							
Cassiar Packing Co., Ltd	1,747		9,217	10,964						22	22	30		30	
Gosse-Millerd, Ltd	†	3,373	9,827	13,200		165		165		e) 405	405	81	f) 63	144	
Kildala Packing Co., Ltd			11,449	11,449									41	41	
Maritime Fisheries, Ltd	5,175			5,175											
Todd, J. H. & Sons, Ltd	1,902		8,784	10,686	300			300	93		93	72		72	
Wallace Fisheries, Ltd		4,068	14,492	18,560								23		23	
TOTAL	10,796	23,124	*110,827	144,747	4,268	826	*4,272	9,366	776	e) 585	1,361	1,197	(f) 104	1,301	
RIVERS INLET DISTRICT															
Anglo-B. C. Packing Co., Ltd		4,577	4,459	9,036		78	19	97							
B. C. Fishing & Packing Co., Ltd		1,229	29,122	30,351					(b) 39	98	137		(c) 86	86	
Canadian Fishing Co., Ltd	4,610		6,825	11,435	1		46	47							
Kildala Packing Co., Ltd			8,471	8,471			63	63							
Provincial Canning Co., Ltd	2,752		5,385	8,137									20	20	
Standard Packing Co., Ltd					29			29							
Todd, J. H. & Sons, Ltd	3,168		5,960	9,128											
Wallace Fisheries, Ltd			15,202	15,202			43	43					5	5	
TOTAL	10,530	5,806	75,424	91,760	30	78	171	279	(b) 39	98	137		(c) 111	111	
NAAS RIVER DISTRICT															
Anglo-B. C. Packing Co., Ltd	4,301		10,644	14,945	462		351	813							
B. C. Fishing & Packing Co., Ltd	1,947		6,821	8,768	289		1,460	1,749	8	77	85	67	162	229	
Canadian Fishing Co., Ltd	4,622		2,393	7,015	86			86	69		69	48		48	
Somerville Cannery Co., Ltd	1,327		1,527	2,854	35		7	42	28		28	16		16	
TOTAL	12,197		21,385	33,582	872		1,818	2,690	105	77	182	131	162	293	
QUEEN CHARLOTTE IS. DISTRICT—															
Canadian Fishing Co., Ltd															
Langara Fishing & Packing Co., Ltd															
Lockeport Cannery Co., Ltd															
Somerville Cannery Co., Ltd															
Wallace Fisheries, Ltd	88			88											
TOTAL	88			88											
VANCOUVER ISLAND DISTRICT—															
B. C. Fishing & Packing Co., Ltd	4,651		3,967	8,618											
Canadian Fishing Co., Ltd					9			9							
Clayoquot Sd. Canning Co., Ltd	2,614		2,123	4,737											
Deep Bay Packing Co., Ltd	37			37											
Gosse-Millerd, Ltd	5			5	17			17							372
Nanaimo Canners & Packers, Ltd															
Nitinat Packers, Ltd															
Nootka Packing Co., Ltd															
Quathiaski Canning Co., Ltd	142		1,851	1,993	161			161				96		96	2,138
Somerville Cannery Co., Ltd															
Todd, J. H. & Sons, Ltd	875		2,668	3,543											
Wallace Fisheries, Ltd	228			228											
TOTAL	8,552		10,609	19,161	187			187				96		96	2,510
OUTLYING DISTRICTS—															
Anglo-B. C. Packing Co., Ltd	833		5,090	5,923			9	9							
B. C. Fishing & Packing Co., Ltd	7,878		3,405	11,283	18		2,523	2,541	418	225	643	279	139	418	
Canadian Fishing Co., Ltd	2,329		1,890	4,219											
Draney, C. R. & Co., Ltd			3,463	3,463					240		240				
Gosse-Millerd, Ltd	†296		15,699	15,995			62	62	9	41	50	32	33	65	
Kingcome Packers, Ltd			3,174	3,174	217			217							
TOTAL	11,336		32,721	44,057	235		2,594	2,829	667	266	933	311	172	483	
DISTRICTS—															
Fraser River District	1,965	3,463	30,872	36,300	387	27	2,568	2,982	27	565	592	3,056	1,000	4,056	1,787
Skeena River District	10,796	23,124	110,827	144,747	4,268	826	4,272	9,366	776	585	1,361	1,197	104	1,301	
Rivers Inlet District	10,530	5,806	75,424	91,760	30	78	171	279	39	98	137		111	111	
Naas River District	12,197		21,385	33,582	872		1,818	2,690	105	77	182	131	162	293	
Queen Charlotte Island District	88			88											
Vancouver Island District	8,552		10,609	19,161	187			187				96		96	2,510
Outlying Districts	11,336		32,721	44,057	235		2,594	2,829	667	266	933	311	172	483	
GRAND TOTAL	55,464	32,393	281,838	369,695	5,979	931	11,423	18,333	1,614	1,591	3,205	4,791	1,549	6,340	4,297

BRITISH COLUMBIA SALMON PACK

	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911
Fraser River	224,637	137,482	103,919	132,800	158,718	206,023	377,988	106,440	250,199	328,390	732,059	172,921	301,344
Skeena River	338,863	482,305	324,765	334,392	298,877	374,216	292,319	223,158	279,161	237,634	164,055	254,258	254,410
Naas River	99,680	124,071	61,796	81,153	97,612	143,906	119,495	130,686	104,289	94,890	83,423	71,162	65,984
Rivers Inlet	127,774	86,828	84,957	152,928	83,367	103,155	95,302	85,383	146,838	109,052	66,096	137,697	101,066
Outlying	328,846	371,028	82,883	396,412	381,163	396,213	294,897	307,635	313,894	341,073	336,368	350,536	228,461
Vancouver Island	193,484	188,613	73,330	87,971	276,619	392,063	377,884	143,763					
Queen Charlotte Is.	28,493												
TOTALS	1,341,677	1,390,326	603,548	1,187,616	1,393,156	1,616,157	1,557,485	993,065	1,133,381	1,111,039	1,353,991	996,576	948,965

*Includes Ovals. †Estimated. (a) Includes 21 cases 1-lb. Flats. (b) 1-lb. Flats. (c) Includes 81 cases 1-lb. Flats. (d) Includes 277 cases 1-lb. Flats and 900 cases ½-lb. Flats. (e) Includes 116 cases 1-lb. Flats. (f) Includes 5 cases 1-lb. Flats.

Table B43. Continued.



PACIFIC FISHERMAN 69

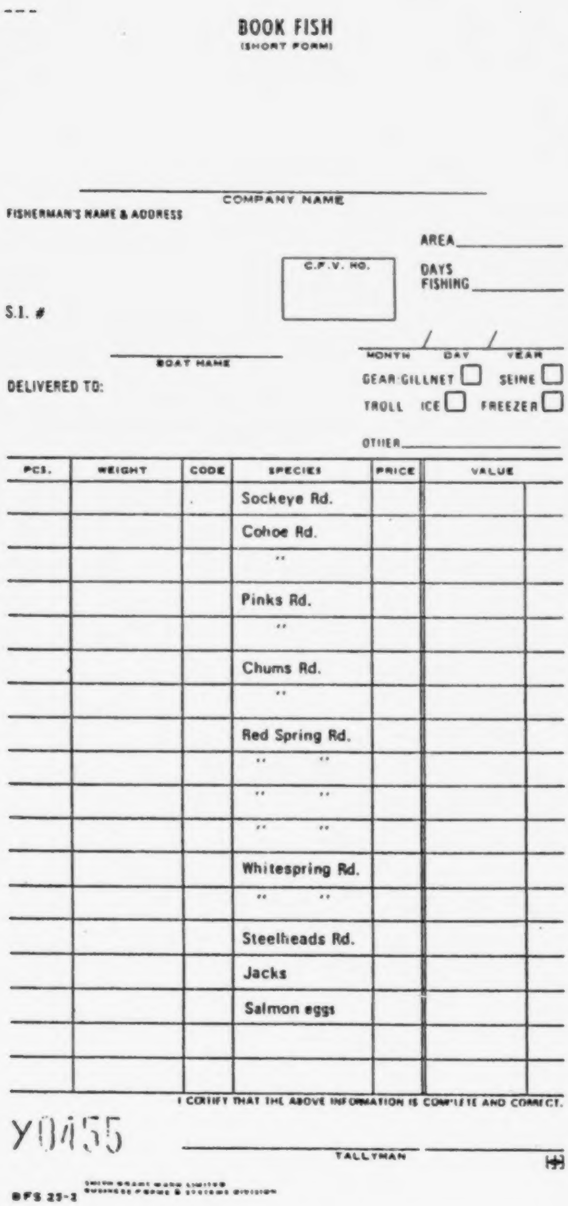
CANNED SALMON PACK—1924

STEELHEADS 1-lb. Talls	STEELHEADS ½-lb. Flats 8-Doz	STEELHEADS Total	COHOES 1-lb. Talls	COHOES 1-lb. Flats	COHOES ½-lb. Flats 8-Doz	COHOES Total	PINKS 1-lb. Talls	PINKS 1-lb. Flats	PINKS ½-lb. Flats 8-Doz	PINKS Total	CHUMS 1-lb. Talls	CHUMS 1-lb. Flats	CHUMS ½-lb. Flats 8-Doz	CHUMS Total	GRAND TOTAL Full Cases	NAME
																FRASER RIVER DISTRICT—
11	40	51	2,205		3,946	6,151	18		109	127	1,039		4,529	5,568	35,726	B. C. Fishing & Packing Co., Ltd
			2,136		1,835	3,971	14,434		7,960	22,394	59,421		11,715	71,136	101,933	Canadian Fishing Co., Ltd
					1,462	1,462					2,935		727	3,662	10,553	Glenrose Canning Co., Ltd
	14	14		223	3,879	4,102	4,293	4,794	12	9,099	3,264	3,451	2,259	8,974	33,583†	Gosse-Millerd, Ltd
			1,006		1,390	2,396					1,679		3,156	4,835	9,841	Great West Packing Co., Ltd
			1,250		69	1,319			253	253	14,816		504	15,320	17,880	Somerville Cannery Co., Ltd
11	54	65	6,597	223	14,581	21,401	18,840	4,794	8,334	31,968	83,154	3,451	22,890	109,495	288,516	✓ TOTAL
																SKEENA RIVER DISTRICT—
			638	358	733	1,729	12,305	8,655	7,497	28,457	892	1,703	58	2,653	68,164	Anglo-B. C. Packing Co., Ltd
			4,212	854	2,071	7,137	22,805	3,022	6,774	32,601	2,712	107	1,075	3,894	85,164	B. C. Fishing & Packing Co., Ltd
			326		37	363	22,404		2,623	25,027	783		240	1,023	34,994	Canadian Fish & C. S. Co., Ltd
	17	17	315		116	431	10,735			10,735	85			85	22,392	Cassiar Packing Co., Ltd
	15	15	5		5,186	5,191	23,051		2,225	25,276	9,381		479	9,860	54,359†	Gosse-Millerd, Ltd
					282	282	7,701		3,123	10,824			560	560	33,365	Kildala Packing Co., Ltd
182		182	407			407	12,234			12,234	1,295			1,295	19,758	Maritime Fisheries, Ltd
			5,814		4,823	10,637	14,979		3,128	18,107	5,250			5,250	44,709	Todd, J. H. & Sons, Ltd
					691	691		3,805	14,244	18,049			958	958	38,358	Wallace Fisheries, Ltd
182	32	214	11,717	1,212	14,039	26,968	127,217	15,482	38,614	181,313	20,404	1,810	3,279	25,493	390,063	✓ TOTAL
																RIVERS INLET DISTRICT—
				182	2	184		2,017	2,301	4,318		885	104	1,017	14,714	Anglo-B. C. Packing Co., Ltd
			20	58	28	106	637	385	927	1,960	40	22	111	173	32,813	B. C. Fishing & Packing Co., Ltd
			21			21	273			273					11,776	Canadian Fishing Co., Ltd
					21	21			283	283			5	5	8,063	Kildala Packing Co., Ltd
			18		209	227	2,308		376	2,684					11,048	Provincial Canning Co., Ltd
			1,140			1,140					3,656			3,656	4,825	Standard Packing Co., Ltd
			203		2	205	4,672		49	4,721	33			33	16,087	Todd, J. H. & Sons, Ltd
					52	52			866	866			22	22	16,190	Wallace Fisheries, Ltd
			1,402	240	314	1,956	7,890	2,403	4,812	15,105	3,729	907	332	4,968	114,316	✓ TOTAL
																NAAS RIVER DISTRICT—
			157		574	731	15,359		1,071	16,430	2,787		320	3,107	36,026	Anglo-B. C. Packing Co., Ltd
216		216			212	212	7,120			7,120	2,622			2,622	21,001	B. C. Fishing & Packing Co., Ltd
92		92	2,051		458	2,509	24,772		1,263	26,035	10,236		841	11,077	65,929	Canadian Fishing Co., Ltd
324		324	127		2,783	2,910	20,189		2,722	22,911	7,596		2,292	9,888	33,976	Somerville Cannery Co., Ltd
632		632	2,335		4,027	6,362	67,440		5,056	72,496	23,241		3,453	26,694	142,331	✓ TOTAL
																QUEEN CHARLOTTE IS. DISTRICT—
			5,009			5,009	27,138			27,138	36,160			36,160	68,307	Canadian Fishing Co., Ltd
					1,682	1,682			2,053	2,053					8,735	Langara Fishing & Pkg. Co., Ltd
			77			77	18,950			18,950	5,169			5,169	24,196	Lockeport Cannery Co., Ltd
							41,161			41,161					41,161	Somerville Cannery Co., Ltd
							63,374			63,374					62,463	Wallace Fisheries, Ltd
			5,086		1,682	6,768	149,623		2,053	151,676	41,329			41,329	199,861	TOTAL
																VANCOUVER ISLAND DISTRICT—
			4,867			4,867	18,536			18,536	6,731			6,731	38,752	B. C. Fishing & Packing Co., Ltd — JSN
			3,761			3,761	6,539			6,539	11,250			11,250	21,359	Canadian Fishing Co., Ltd JSN
			660		483	1,143					2,907			2,907	8,187	Clayoquot Sd. Canning Co., Ltd WCVI
			1,800			1,800	11,994			11,994	22,020			22,020	36,923	Deep Bay Packing Co., Ltd — GEO
			924			924					20,565			20,565	21,511†	Gosse-Millerd, Ltd — WCVI
			132			132					25,006			25,006	25,828	Nanaimo Canners & Packers, Ltd — GEO
			720			720					47,742			47,742	48,462	Nitinat Packers, Ltd — WCVI
			231		147	378	994			994	36,490			36,490	37,862	Nootka Packing Co., Ltd
			153			153	22,551		1,946	24,497	328		156	484	29,532	Quathiaski Canning Co., Ltd JSN
			395			395	7,065			7,065					7,460	Somerville Cannery Co., Ltd
			10,849		5,251	16,100	430		112	542	1,159		107	1,266	31,451	Todd, J. H. & Sons, Ltd — JUAN
			820			820	12,123			12,123					12,871	Wallace Fisheries, Ltd — WCVI
			24,712		5,881	30,593	80,232		2,058	82,290	164,898		263	165,161	299,998	TOTAL
																OUTLYING DISTRICTS—
			3,944		3,399	7,343	29,115		4,556	33,671	4,762		4,076	8,838	55,784	Anglo-B. C. Packing Co., Ltd JSN
68		68	4,268			4,268	23,620			23,620	16,330			16,330	89,171	B. C. Fishing & Packing Co., Ltd NCST
			1,147		120	1,267	32,872		3,174	36,046	27,440		7,501	34,941	75,673	Canadian Fishing Co., Ltd
94	238	332	3,492		2,044	5,536	8,712			8,712	8,626		63	8,689	35,972	Draney, C. R. & Co., Ltd
	97	97	2,403		2,464	4,867	20,538		10,448	30,986	111,781		10,924	122,705	174,827†	Gosse-Millerd, Ltd
					2,750	2,750	9,843			9,843	4,854			4,854	30,838	Kingcome Packers, Ltd JSN
162	335	497	15,254		10,777	26,031	124,700		17,178	141,878	172,803		22,564	195,367	612,065	TOTAL
																DISTRICTS—
11	54	65	6,597	223	14,581	21,401	18,840	4,794	8,334	31,968	83,154	3,451	22,890	109,495	288,516	Fraser River District
182	32	214	11,717	1,212	14,039	26,968	127,217	15,482	38,614	181,313	20,404	1,810	3,279	25,493	390,063	Skeena River District
			1,402	240	314	1,956	7,890	2,403	4,812	15,105	3,729	907	332	4,968	114,316	Rivers Inlet District
632		632	2,335		4,027	6,362	67,440		5,056	72,496	23,241		3,453	26,694	142,331	Naas River District
			5,086		1,682	6,768	149,623		2,053	151,676	41,329			41,329	199,861	Queen Charlotte Is. District
			24,712		5,881	30,593	80,232		2,058	82,290	164,898		263	165,161	299,998	Vancouver Island District
162	335	497	15,254		10,777	26,031	124,700		17,178	141,878	172,803		22,564	195,367	612,065	Outlying Districts
987	421	1,408	67,103	1,675	51,301	120,079	575,942	22,679	78,105	676,726	509,558	6,168	52,781	568,507	1,766,550	GRAND TOTAL

BY DISTRICTS FROM 1898 TO 1923

1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898
223,148	567,203	89,181	162,116	260,486	877,136	128,903	237,125	237,065	990,252	316,522	510,383	256,101
222,035	140,738	309,177	159,255	162,420	114,085	154,850	98,660	184,873	126,093	128,539	108,026	81,324
39,730	40,990	46,906	31,832	33,534	32,725	19,085	12,100	23,218	14,790	18,238	19,443	18,953
120,398	81,014	75,000	94,064	122,878	83,122	94,395	69,390	70,298	68,810	73,413	71,079	104,711
147,800	137,974	122,330	99,182	71,142	90,302	68,745	56,290	80,496	28,182	46,711	23,806	23,182
763,101	967,920	642,689	547,459	629,460	1,167,460	465,894	473,674	625,982	1,236,156	585,413	732,437	484,161

Table B44. Examples of sales slip forms used by fishermen and buyers in 1983 to record sales of salmon.



BOOK FISH
(SHORT FORM)

COMPANY NAME

FISHERMAN'S NAME & ADDRESS

AREA

C.F.V. NO.

DAYS FISHING

S.I. #

BOAT NAME

DELIVERED TO:

MONTH / DAY / YEAR

GEAR: GILLNET ☐ SEINE ☐

TROLL ICE ☐ FREEZER ☐

OTHER

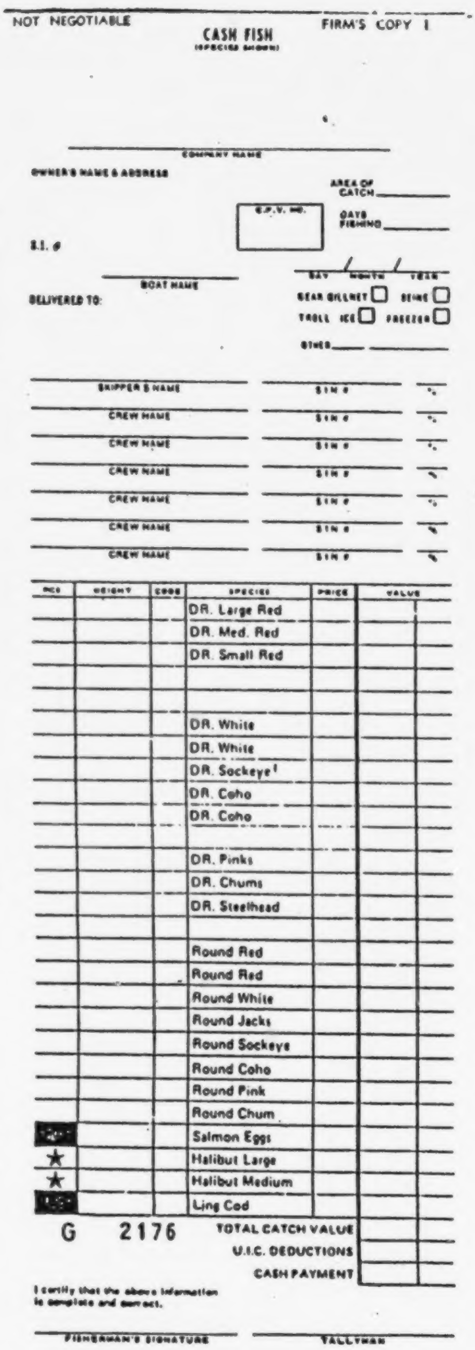
PCS.	WEIGHT	CODE	SPECIES	PRICE	VALUE	
			Sockeye Rd.			
			Cohoe Rd.			
			"			
			Pinks Rd.			
			"			
			Chums Rd.			
			"			
			Red Spring Rd.			
			" "			
			" "			
			" "			
			Whitespring Rd.			
			" "			
			Steelheads Rd.			
			Jacks			
			Salmon eggs			

I CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND CORRECT.

Y0455

TALLYMAN

BFS 23-2



NOT NEGOTIABLE

CASH FISH
(SPECIES SHOWN)

FIRM'S COPY 1

COMPANY NAME

OWNER'S NAME & ADDRESS

AREA OF CATCH

C.F.V. NO.

DAYS FISHING

S.I. #

BOAT NAME

DELIVERED TO:

DAY / MONTH / YEAR

GEAR GILLNET ☐ SEINE ☐

TROLL ICE ☐ FREEZER ☐

OTHER

SKIPPER'S NAME	S.I.N. #	%
CREW NAME	S.I.N. #	%
CREW NAME	S.I.N. #	%
CREW NAME	S.I.N. #	%
CREW NAME	S.I.N. #	%
CREW NAME	S.I.N. #	%
CREW NAME	S.I.N. #	%

PCS	WEIGHT	CODE	SPECIES	PRICE	VALUE	
			DR. Large Red			
			DR. Med. Red			
			DR. Small Red			
			DR. White			
			DR. White			
			DR. Sockeye			
			DR. Coho			
			DR. Coho			
			DR. Pinks			
			DR. Chums			
			DR. Steelhead			
			Round Red			
			Round Red			
			Round White			
			Round Jacks			
			Round Sockeye			
			Round Coho			
			Round Pink			
			Round Chum			
[illegible]			Salmon Eggs			
★			Halibut Large			
★			Halibut Medium			
[illegible]			Ling Cod			

G 2176

TOTAL CATCH VALUE		
U.I.C. DEDUCTIONS		
CASH PAYMENT		

I certify that the above information is complete and correct.

FISHERMAN'S SIGNATURE

TALLYMAN

Table B45. Salmon Landings by Week, Species, and Gear in Numbers of Fish for Area 4, from the DFO report British Columbia Catch Statistics, By Species, Gear, Month and Area for 1985.

SALMON LANDINGS BY WEEK, SPECIES, AND GEAR

IN NUMBER OF FISH

FOR AREA 4

	CHINOOK									SOCKEYE		
	RED		SMALL		WHITE		TOTAL					
	Gillnet	Seine	Gillnet	Seine	Gillnet	Seine	Gillnet	Seine	Troll	Gillnet	Seine	Troll
TOTAL JANUARY												
TOTAL FEBRUARY												
TOTAL MARCH												
TOTAL APRIL												
May 5 – May 11												
May 12 – May 18									19			
May 19 – May 25									268			
May 26 – June 1												
TOTAL MAY									287			
June 2 – June 8												
June 9 – June 15												
June 16 – June 22												
June 23 – June 29												
TOTAL JUNE												
June 30 – July 6	2075		919		168		3162		176	66831		128
July 7 – July 13	3045		2615		281		5941		1042	200977		218
July 14 – July 20	3924		2279		423		6626		418	464798		135
July 21 – July 27	1889	2853	1089	2744	198	180	3176	5777	422	346591	172013	63
July 28 – Aug 3	1138	1604	565	1300	99	134	1802	3038	223	252743	128619	299
TOTAL JULY	12071	4457	7467	4044	1169	314	20707	8815	2281	1331940	300632	843
Aug 4 – Aug 10	449		128		30		607		343	122860		362
Aug 11 – Aug 17	313	204	513	166	25	16	851	386	310	184093	15502	158
Aug 18 – Aug 24	224		63		10		297		435	78673		83
Aug 25 – Aug 31									348			18
TOTAL AUGUST	986	204	704	166	65	16	1755	386	1436	385626	15502	621
Sept 1 – Sept 7												
Sept 8 – Sept 14									8			
Sept 15 – Sept 21									33			
Sept 22 – Sept 28												
TOTAL SEPTEMBER									41			
Sept 29 – Oct 5									79			
Oct 6 – Oct 12												
Oct 13 – Oct 19												
Oct 20 – Oct 26												
Oct 27 – Nov 2												
TOTAL OCTOBER									79			
TOTAL NOVEMBER												
TOTAL DECEMBER												
TOTAL 1985	13057	4661	8171	4210	1234	330	22462	9201	4124	1717566	316134	1464

Table B46. Salmon Landings by Species, Gear and Month in Tonnes for Area 4, from the DFO report British Columbia Catch Statistics by Species, Gear, Month and Area for 1985.

SALMON LANDINGS BY SPECIES, GEAR, AND MONTH

IN TONNES

FOR AREA 4

			JANUARY DEC 30 FEB 2	FEBRUARY FEB 3 MAR 2	MARCH MAR 3 MAR 30	APRIL MAR 31 MAY 4	MAY MAY 5 JUNE 1	JUNE JUNE 2 JUNE 29	JULY JUNE 30 AUG 3	AUGUST AUG 4 AUG 31	SEPTEMBER SEPT 1 SEPT 28	OCTOBER SEPT 29 NOV 2	NOVEMBER NOV 3 NOV 30	DECEMBER DEC 1 DEC 28	TOTAL
CHINOOK	RED	GN							93.8	7.6					101.4
		Seine							38.9	1.5					40.5
	SMALL	GN							11.8	0.7					12.6
		Seine							4.1	0.1					4.3
	WHITE	GN							9.2	0.4					9.6
		Seine							3.0	0.1					3.1
	MIXED	Troll					1.5		13.4	9.2	0.3	0.4			24.9
SOCKEYE		GN							3618.3	1092.7					4711.0
		Seine							720.1	37.4					757.5
		Troll							1.9	1.3					3.2
COHO		GN							113.0	70.3					183.4
		Seine							39.7	5.0					44.7
		Troll							86.8	52.0	0.7	0.4			140.1
PINK		GN							588.2	1146.4					1734.7
		Seine							977.8	255.4					1233.3
		Troll							23.5	19.5	*	*			43.1
CHUM		GN							231.1	159.6					390.8
		Seine							123.2	12.9					136.1
		Troll							3.6	3.9	0.3	*			7.9
STEELHEAD		GN							62.5	41.9					104.4
		Seine							8.1	0.3					8.4
		Troll							*	*					0.1

GILLNET AND SEINE - ROUND WEIGHT
TROLL - DRESSED WEIGHT HEAD-ON
* LESS THAN 100 KG.

Table B47. 1959 - Revised Catch Statistics by Area - Accumulated Landings for Area 4, from the Department of Fisheries report British Columbia Catch Statistics by Area and Type of Gear (As reported on sales slips received by the Department).

SHEET D

1959 - REVISED CATCH STATISTICS BY AREA - ACCUMULATIVE LANDINGS

PAGE 131
AREA 4

Accumulative Catch Up to And Including	SOCKEYE		PINKS			COHO			CHUMS			SPRINGS		
	Gillnet pcs.	Seine pcs.	Gillnet pcs.	Seine pcs.	Troll pcs.	Gillnet pcs.	Seine pcs.	Troll pcs.	Gillnet pcs.	Seine pcs.	Troll pcs.	Gillnet lbs.	Seine lbs.	Troll lbs.
Jan. 31														
Feb. 28														
Mar. 31														
May 2												213		714
May 9												445		4 070
May 16												1 422		8 150
May 23												3 161		22 545
May 30												6 937		37 427
June 6									1			18 883		58 087
June 13	15								6	1		48 996	62	67 582
June 20	64				1			473	51	1		93 742	62	110 635
June 27	153				1			729	55	1		138 991	62	138 763
July 4	313				20			1 867	58	1	1	194 076	62	170 981
July 11	15 056		1 509		22	253		2 355	543	1	1	254 020	62	177 773
July 18	32 444		10 470		79	909		4 192	1 915	1	3	330 303	62	195 295
July 25	75 633		61 351		460	1 856		9 531	3 690	1	6	373 300	62	199 383
Aug. 1	75 669		61 360		1 559	1 856		24 494	3 690	1	8	373 312	62	213 296
Aug. 8	75 669		61 360		1 617	1 856		24 661	3 690	1	14	373 312	62	213 449
Aug. 15	153 621	8	442 681	301	2 347	14 788	21	26 939	13 596	22	16	379 562	62	216 485
Aug. 22	184 487	8	537 902	301	3 270	26 765	21	31 605	20 410	22	17	382 541	62	224 154
Aug. 29	193 055	20	568 206	706	3 657	35 341	81	36 690	27 871	41	31	384 368	62	234 449
Sept. 5	195 074	30	571 738	782	3 735	41 147	115	38 154	31 146	56	32	385 015	169	246 466
Sept. 12	195 698		572 616		3 765	47 111		38 897	31 824		32	385 368		250 948
Sept. 19					3 768			39 034			32			252 152
Sept. 26					3 844			39 232			33			258 520
Oct. 3														258 520
Oct. 10														258 520
Oct. 17														258 520
Oct. 24														258 520
Oct. 31														258 520
Nov. 30														259 109
Dec. 31														

Table B48. Area 4 weekly salmon catch in pieces and pounds (troll dressed) by gear and species for the September statistical period, from the Department of Fisheries report British Columbia Catch Statistics, by Area and Type of Gear (As reported on sales slips received by the Department) September 1959.

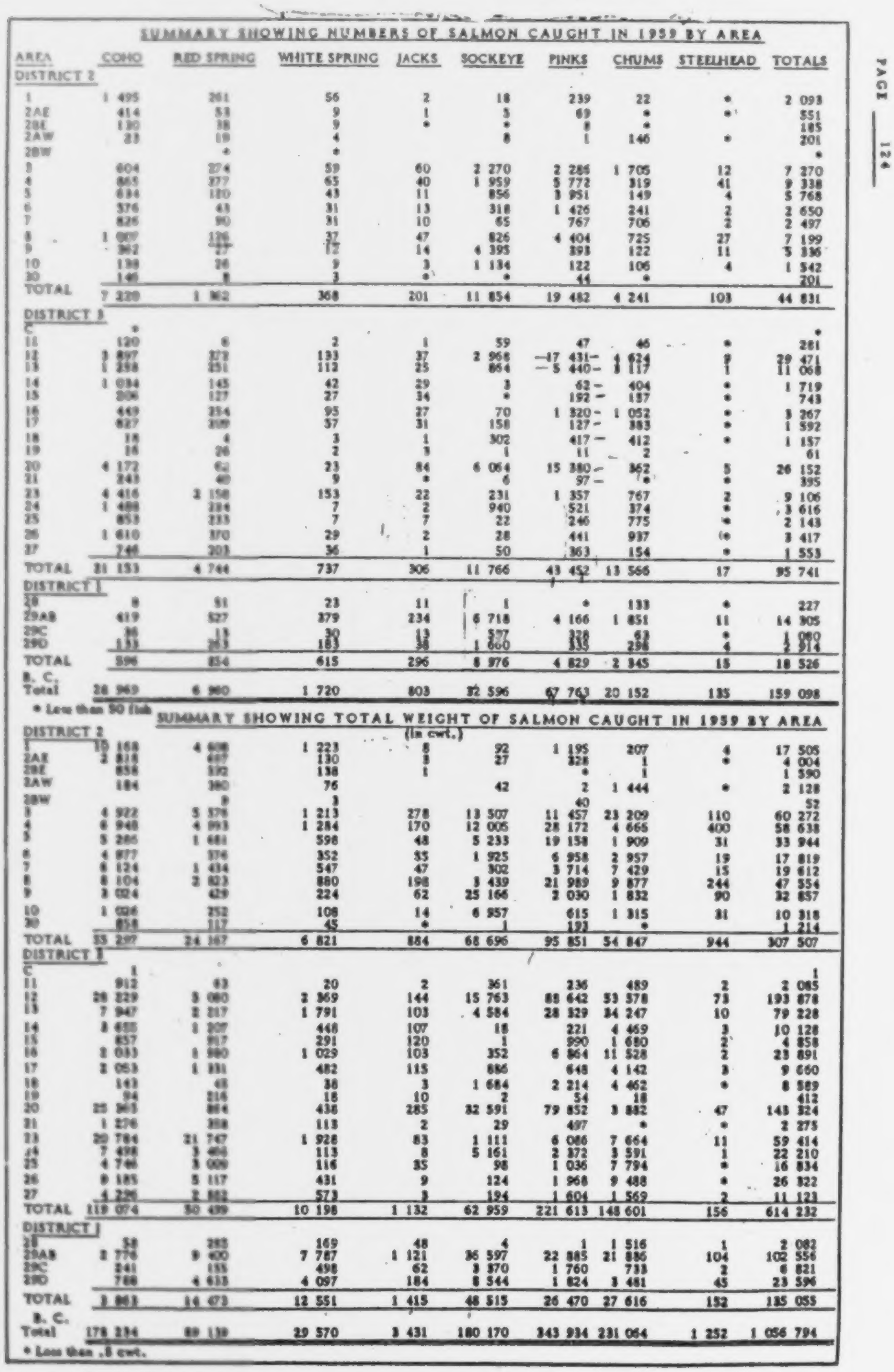
SALMON

AREA 4 PERIOD SEPTEMBER, 1959

SALMON		WEEK ENDING Sept. 5		WEEK ENDING Sept. 12		WEEK ENDING Sept. 19		WEEK ENDING Sept. 26		WEEK ENDING		TOTAL		CORRESPONDING PERIOD PCS.	ACCUMULATIVE CATCH TO DATE PIECES		
		PCS.	LBS.	PCS.	LBS.	PCS.	LBS.	PCS.	LBS.	PCS.	LBS.	PCS.	LBS.	1958	1959	1958	1957
COHO	G.N.	5 806	57 861	5 960	65 502							11 766	123 363	13 452	44 911	59 995	52 143
	SEINE	34	267									34	267		76	14	355
	TROLL	1 464	11 556	743*	6 684	137*	1 224	196*	1 960			2 540	21 424	9 033	38 395	27 556	46 301
RED SPRING	G.N.	40	538	14	208							54	746	707	12 432	15 538	8 148
	SEINE	7	92									7	92		10		21
	TROLL	968*	9 597	341*	3 508	84*	1 026	419*	5 018			1 812*	19 149	2 153	14 674	15 468	11 594
WHITE SPRING	G.N.	3	74	5	130							8	204	106	2 131	2 414	877
	SEINE														1	1	3
	TROLL	233*	2 301	92*	920	16*	148	94*	944			435*	4 313	264	4 228	2 828	1 671
JACKS	G.N.	7	35*	4	15*							11	50*	218	3 322	6 379	4 405
	SEINE	3	15*									3	15*		3	1	13
	TROLL	32	119	15	54	8*	30	36*	134			91	337	31	638	132	95
SOCKEYE	G.N.	2 019	11 555	624	3 681							2 643	15 236	856	190 567	602 032	279 934
	SEINE	10	51									10	51		28	5	2 247
	TROLL	5	19	1*	5							6	24	4	125	33	28
PINKS	G.N.	3 552	19 601	858	4 943							4 410	24 544	2 374	543 456	899 837	2 329 316
	SEINE	76	336									76	336		766	109	11 492
	TROLL	78*	353	30*	152	3*	12	76*	302			187*	819	66	3 777	1 406	717
CHUMS	G.N.	3 275	35 082	676	7 494							3 951	42 576	4 715	30 326	43 317	35 389
	SEINE	15	131									15	131		51	38	233
	TROLL	1	6					1	8			2	14	93	33	131	57
STEELHEAD	G.N.	288	2 712	369	4 095							667	6 807	464	3 875	8 724	5 457
	SEINE																7
	TROLL													3	3	7	9
DAYS FISHING	G.N.	727		415								1 142		662	10 638	13 139	13 756
	SEINE	1										1			7	2	10
	TROLL	161		112		39		88				400		612	2 593	2 517	1 893

* ESTIMATED

Table B49. Summary Showing Numbers of Salmon Caught in 1959 by Area, from the Department of Fisheries report British Columbia Catch Statistics by Area and Type of Gear (As reported on sales slips received by the Department).



SUMMARY SHOWING NUMBERS OF SALMON CAUGHT IN 1959 BY AREA

AREA	COHO	RED SPRING	WHITE SPRING	JACKS	SOCKEYE	PINKS	CHUMS	STEELHEAD	TOTALS
DISTRICT 2									
1	1 495	201	56	2	18	239	22	*	2 093
2AE	414	53	9	1	3	69	*	*	551
2BE	130	38	9	*	*	8	*		185
2AW	23	19	4		8	1	146	*	201
2BW		*	*						*
3	604	274	59	60	2 270	2 286	1 705	12	7 270
4	865	277	65	40	1 959	5 772	319	41	9 338
5	634	180	43	11	856	3 951	149	4	5 768
6	376	43	31	13	318	1 426	241	2	2 650
7	826	90	31	10	65	767	706	2	2 497
8	1 007	126	37	47	826	4 404	725	27	7 199
9	362	27	12	14	4 395	393	122	11	5 336
10	138	26	9	3	1 134	122	106	4	1 542
30	146	8	3	*	*	44	*		201
TOTAL	7 220	1 362	368	201	11 854	19 482	4 241	103	44 831
DISTRICT 3									
C	*								*
11	120	6	2	1	59	47	46	*	281
12	3 897	373	133	37	2 968	17 431	4 624	8	29 471
13	1 258	251	112	25	864	5 440	3 117	1	11 068
14	1 034	145	42	29	3	62	404	*	1 719
15	306	127	27	34	*	192	157	*	743
16	449	254	95	27	70	1 320	1 052	*	3 267
17	827	109	37	31	158	127	383	*	1 592
18	18	4	3	1	302	417	412	*	1 157
19	16	26	2	3	1	11	2		61
20	4 172	62	23	84	6 064	15 380	362	5	26 152
21	243	40	9	*	6	97	*	*	395
23	4 416	2 158	153	22	231	1 357	767	2	9 106
24	1 488	284	7	2	940	521	374	*	3 616
25	853	233	7	7	22	246	775	*	2 143
26	1 610	370	29	2	28	441	937	*	3 417
27	746	203	36	1	50	363	154	*	1 553
TOTAL	21 153	4 744	737	306	11 766	43 452	13 566	17	95 741
DISTRICT 1									
28	8	51	23	11	1	*	133	*	227
29AB	419	527	379	234	6 718	4 166	1 851	11	14 305
29C	36	13	30	13	597	328	63	*	1 080
29D	133	263	183	38	1 660	335	298	4	2 914
TOTAL	596	854	615	296	8 976	4 829	2 345	15	18 526
B. C. Total	28 969	6 960	1 720	803	32 596	67 763	20 152	135	159 098

* Less than 50 fish

SUMMARY SHOWING TOTAL WEIGHT OF SALMON CAUGHT IN 1959 BY AREA

(In cwt.)

AREA	COHO	RED SPRING	WHITE SPRING	JACKS	SOCKEYE	PINKS	CHUMS	STEELHEAD	TOTALS
DISTRICT 2									
1	10 168	4 608	1 223	8	92	1 195	207	4	17 505
2AE	2 818	487	130	3	27	328	1	*	4 004
2BE	858	592	138	1		*	1		1 590
2AW	184	380	76		42	2	1 444	*	2 128
2BW		9	3			40			52
3	4 922	5 378	1 213	278	13 507	11 457	23 209	110	60 272
4	6 948	4 993	1 284	170	12 005	28 172	4 666	400	58 638
5	5 286	1 681	598	48	5 233	19 158	1 909	31	33 944
6	4 977	376	352	55	1 925	6 958	2 957	19	17 819
7	6 124	1 434	547	47	302	3 714	7 429	15	19 612
8	8 104	2 823	880	198	3 439	21 989	9 877	244	47 554
9	3 024	429	224	62	25 166	2 030	1 832	90	32 857
10	1 026	252	108	14	6 957	615	1 315	31	10 318
30	858	117	45	*	1	193	*		1 214
TOTAL	55 297	24 167	6 821	884	68 696	95 851	54 847	944	307 507
DISTRICT 3									
C	1								1
11	912	63	20	2	361	236	489	2	2 085
12	28 229	5 080	2 369	144	15 763	88 642	53 578	73	193 878
13	7 947	2 217	1 791	103	4 584	28 329	34 247	10	79 228
14	3 655	1 207	448	107	18	221	4 469	3	10 128
15	857	917	291	120	1	990	1 680	2	4 858
16	2 033	1 980	1 029	103	352	6 864	11 528	2	23 891
17	2 053	1 331	482	115	886	648	4 142	3	9 660
18	143	48	38	3	1 684	2 214	4 462	*	8 589
19	94	216	18	10	2	54	18		412
20	25 363	864	438	285	32 591	79 852	3 882	47	143 324
21	1 276	358	113	2	29	497	*	*	2 275
23	20 784	21 747	1 928	83	1 111	6 086	7 664	11	59 414
24	7 498	3 466	113	8	5 161	2 372	3 591	1	22 210
25	4 746	3 009	116	35	98	1 036	7 794	*	16 834
26	9 185	5 117	431	9	124	1 968	9 488	*	26 322
27	4 226	2 882	573	3	194	1 604	1 569	2	11 123
TOTAL	119 074	50 439	10 198	1 132	62 959	221 613	148 601	156	614 232
DISTRICT 1									
28	58	283	169	48	4	1	1 516	1	2 082
29AB	2 776	9 400	7 787	1 121	36 597	22 885	21 886	104	102 556
29C	241	155	498	62	3 370	1 760	733	2	6 821
29D	788	4 633	4 097	184	8 544	1 824	3 481	45	23 596
TOTAL	3 863	14 473	12 551	1 415	48 515	26 470	27 616	152	135 055
B. C. Total	178 234	89 139	29 570	3 431	180 170	343 934	231 064	1 252	1 056 794

* Less than .5 cwt.

PAGE 124

Table B50. Summary of Appendix B tables (forms) that were sources for primary, supplementary and miscellaneous data for time periods referred to in this appendix.

Period	Primary Data: Products,GLW, Canned Pack	Supplementary/Summary Data: e.g. Spp Composition, Areas	Miscellaneous Data: e.g. Numbers of Salmon, History
		Table Numbers	
1828-1859	CULLEN (1979)	-	-
	HBC Records	-	-
1860-1870	B1-B2	-	-
1871-1876	B3- B4	-	-
1877-1900	B5, B7	B6, B8	-
1901-1916	B9	B10	-
1917-1950	B11-B15	B16-B18	B19-B20
	B21-B25	B40-B42	B26
	B27-B33	B43	B34-B39
1951+	B44	B45-B49	-

APPENDIX C

GEOGRAPHICAL DIVISIONS USED TO REPORT PRODUCTION AND HARVEST STATISTICS

TABLE OF CONTENTS FOR APPENDIX C

Page

1. INTRODUCTION 335

2. AREA BREAKDOWNS 335
  2.1 1876-1887 335
  2.2 1888-1900 335
  2.3 1901-1950 336

3. AREAS IN THIS REPORT 338

4. ASSIGNMENT OF PLACE NAMES TO AREAS 339

LIST OF APPENDIX C FIGURES

Figure Page

C1. Geographical locations noted in this appendix that are not included on main text Figures 1 to 3. 348

GEOGRAPHICAL DIVISIONS USED TO REPORT PRODUCTION AND HARVEST STATISTICS

1. INTRODUCTION

A major decision we faced in assembling the available statistical material was the selection of areas. In the end we settled on ten areas (Figure 1) as explained below. Ideally, it would have been desirable to assemble the information for each of the post-1950 Statistical Areas. This was not possible because for many years prior to 1951 neither landings nor production data were available in such detail. In the end we selected the finest aggregations of areas that could be traced throughout the history of the fishery, and that were identifiable with modern Statistical Areas or groups of Statistical Areas. Efforts were made to ensure that the areas were sufficiently small to facilitate analyses dealing with important individual salmon stocks and stock aggregates. Figure C1 identifies geographical locations noted in this appendix (see also text Figures 1 - 3).

2. AREA BREAKDOWNS

2.1 1876-1887

Prior to 1888, Annual Reports of the Department of Marine and Fisheries (DMF) reported the weight of canned and other salmon products for a variety of localities that only resembled today's Statistical Areas because they included landings from the major river systems where the early fisheries first developed. In addition, statistics were published for other locations where canneries operated (e.g. Alert Bay) or where salmon products were processed and marketed (e.g. Victoria). It was a simple matter for us to assign the statistics for these locations to the ten areas used in this report.

2.2 1888-1900

Beginning in 1888, the reports presented production records for 13 locations with boundaries that can readily be related to those of the modern statistical system. Of course such areas covered much larger portions of the coast than do the 37 post-1950 areas. Exactly as described in the 1888 DMF report, the 13 areas were:

1) Fraser River and South to American Boundary
2) From Fraser River to How [Howe] Sound
3) From How Sound to Smith's [Smith] Inlet
4) From Smith's Inlet to River's [Rivers] Inlet
5) From River's Inlet to Skeena River
6) From Skeena River to Alaska Boundary
7) East Coast of Queen Charlotte's [Charlotte] Islands
8) West Coast of Queen Charlotte's Islands
9) From Cape Scott, V.I., to Comox River
10) From Comox River to Victoria
11) From Victoria to San Juan
12) From [Port] San Juan to Barkley Sound
13) From Barkley Sound to Cape Scott

Over the next few years the number of locations was reduced to ten; in 1894 these were:

1) Fraser River District, including Howe Sound and Burrard Inlet
2) Howe Sound to Rivers Inlet
3) Rivers Inlet to Skeena River
4) Skeena River to Alaska boundary
5) East coast of Queen Charlotte Island [Islands]
6) West coast of Queen Charlotte Island
7) Cape Scott to Comox
8) Comox to Victoria
9) Victoria to Cape Beale
10) Cape Beale to Cape Scott

2.3 1901-1950

In the 1901 DMF Annual Report the number of areas increased to 15. In 1912 Quatsino was added and for a while Cowichan was described more accurately as Victoria-Cowichan (see 1912 areas below). All catch and product statistics were reported by DMF for these locations through 1916:

1) Skeena River and Prince Rupert
2) Rivers Inlet
3) Naas [Nass] River
4) North Coast
5) Queen Charlotte Islands
6) Nanaimo
7) Victoria-Cowichan
8) Alberni
9) Clayoquot
10) Quatsino
11) Alert Bay
12) Quathiaski
13) Comox
14) Pender Harbour
15) District No. 1 [Fraser River]

In 1918, the Dominion Bureau of Statistics (DBS) Annual Report split the North Coast area into two (areas 4 and 5 below), combined Cowichan and Nanaimo, now described as "Sidney Island to French River [Creek]" (area 11 below), and presented more detailed descriptions of most of the above locations:

1) Skeena River and Prince Rupert
2) Rivers Inlet District
3) Naas River District
4) Bella Coola and Kimsquit District
5) Addenbrooke Island to Lowe Inlet
6) Queen Charlotte Islands
7) Cape Scott to Estevan Point
8) Estevan Point to Wreck Bay

9) Wreck Bay to Carmanah Point
10) Carmanah Point to south end Sidney Island
11) Sidney Island to French River [Creek], with islands opposite
12) French River to Oyster River, with islands opposite
13) Oyster River to Adams River, with surrounding district
14) Adams [Adam] River to Cape Scott and surrounding district including Knight Inlet
15) Bute Inlet to Gower Point
16) District No. I

Reporting in this format continued through 1927. In 1928, the number of locations was increased to 33. By 1930, however, a standard 23 locations were established that formed the basis for reporting through 1950. They are listed below, exactly as printed in the 1930 DBS report.

1) Massett Inlet and northern Graham Island and Queen Charlotte Islands
2) Southern Queen Charlotte Islands, including Skidegate Inlet
3) The Naas River
4) Skeena River including Prince Rupert and the Upper Skeena
5) Grenville-Principe area
6) Butedale including Gardiner Canal
7) Bella Bella and Fitzhugh Sound
8) Bella Coola, Dean and Burke Channels
9) Rivers Inlet
10) Smiths [Smith] Inlet
11) Cape Scott to Tuna Point, including all waters between Vancouver Island and the mainland
12) Tuna Point to Shelter Point, including mainland waters opposite
13) Shelter Point to French Creek
14) Mainland waters from Georges Point to Gower Point
15) French Creek to Shoal [Tsehum] Harbour
16) Shoal Harbour to Sambrio [Sombrio] Point, including Victoria
17) Sambrio [Sombrio] Point to Pachena Point, including Nitinat
18) Barclay [Barkley] Sound and Port Alberni
19) Wreck Bay to Estevan Point, including Clayoquot Sound
20) Estevan Point to Tatchu Point, including Nootka Sound
21) Tatchu Point to Cape Cook, including Kyuquot Sound
22) Cape Cook to Cape Scott, including Quatsino Sound
23) District No. 1 – Comprises Fraser River and Howe Sound

The locations bounding the reporting areas that are cited in DBS reports from 1918 onward (e.g. Tables B12 to B14) correspond closely to boundaries for Statistical Areas in 1951[1] (Figure 2) and to boundaries for Statistical Areas shown on the map in Burton's 1949 report (Figure 3), which interestingly enough was the earliest map we were able to find showing British Columbia statistical area boundaries prior to 1951.

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1. Since 1951, there have been only minor adjustments to statistical area boundaries to accommodate, for example, offshore fisheries and administrative changes within DFO.

3. AREAS IN THIS REPORT

On the basis of our review of the different locations over the years, it was decided that the following ten areas represented the grouping that provided the finest breakdown that could be applied consistently throughout the history of the fishery. Matching areas from selected DMF/DBS publications for earlier years (our numbering from earlier in this appendix and numbering from the DMF/DBS reports), and the 1951 DFO Annual Report of British Columbia Catch Statistics are tabled below.

AREAS IN THIS REPORT	DISTRICT	AREA NUMBERING IN THIS APPENDIX AND IN SELECTED DMF/DBS/DFO REPORTS						
		1888		1918		1930		1951
		THIS APPENDIX	DMF/ DBS	THIS APPENDIX	DMF/ DBS	THIS APPENDIX	DMF/ DBS	DFO
Queen Charlotte Islands	II	7-8	7-8	6	6	1-2	5-6	1, 2A, 2B
Nass River	II	6	6	3	3	3	7	3
Skeena River	II	5	5	1	1	4	8	4
North Coast	II	NR	NR	4-5	4-5	5-8	9-12	5-8, 30
Rivers & Smith Inlets.	II	3-4	3-4	2	2	9-10	13-14	9-10
Johnstone Strait	III	9	9	13-14	13-14	11-12	17-18	11-13
Strait of Georgia	III	10	10	11-12, 15	11-12, 15	13-15	19-21	14-18
Juan de Fuca Strait	III	11	11	10	10	16	22	19-20
W Coast Vancouver Is.	III	12-13	12-13	7-9	7-9	17-22	23-28	21-27
Fraser River	I	1-2	1-2	16	I	23	3	28-29

NR No products or canned pack reported for the area.

Figure 1 in the main text illustrates our ten areas and also the three Districts into which all British Columbia Statistical Areas have been grouped for administrative purposes since 1904. Similar groupings of Statistical Areas have been used in the past to assess fisheries and status of stocks for sockeye salmon (e.g. Anonymous 1940-1983; Shepard and Withler 1958; Starr *et al.* 1984), pink salmon (e.g. Anonymous 1940-1983, Anderson 1976, 1977; Beacham 1984b; Henderson and Charles 1984), chum salmon (e.g. Hoar 1951, Roberts 1970, Palmer 1972, Anderson 1975; Beacham 1984a) and coho and chinook salmon (e.g. Milne 1964, Fraser *et al.* 1982.; Healey 1982, Argue *et al.* 1983).

4. ASSIGNMENT OF PLACE NAMES TO AREAS

What follows is a listing of all place names and statistical area designations used to record fisheries statistics for British Columbia from 1876 to 1950 that we encountered in government publications. We have grouped them into the ten major geographical areas of this report to aid those who wish to access the raw government data that we have summarised.

Names in the list were taken from Annual Reports of the Department of Marine and Fisheries (Anonymous 1868-1913), DBS Annual Reports titled Fisheries Statistics of Canada (Anonymous 1917-1950), and Annual Reports of the Fisheries Commissioner for British Columbia (Anonymous 1902-1930).

The list includes the names of companies and canneries that were used prior to 1900 to identify the location for salmon production statistics; these are distinguished from place names by "(C)". The original spellings have been retained in the list.

QUEEN CHARLOTTE ISLANDS:

East Coast of Queen Charlotte's Islands
East Coast of Queen Charlotte Islands
Graham Island excepting Skidegate Inlet, QCI
Masset Inlet, Northern Graham Island, QCI
Massett Inlet, northern Graham Island and Queen Charlotte Islands
Moresby Island excepting Skidegate Inlet, QCI
Queen Charlotte Is. District
Queen Charlotte Islands
Queen Charlotte North
Queen Charlotte South
Skidegate Inlet, QCI
South Queen Charlotte Islands including Skidegate Inlet
Southern Queen Charlotte Islands, including Skidegate Inlet
West Coast of Queen Charlotte Islands
West Coast of Queen Charlotte's Islands

NASS RIVER:

A.J. McLellan (C)
B.C. Canning Co. (Ltd.), Naas (C)
Cascade Packing Co. (C)
Douglas Packing Co. (C)
Federation (C)
From Skeena River to Alaska Boundary
H.E. Croasdaile (C)
Mill Bay
Mill Way (C)
Naas District

Naas River
Naas River District
Naas River Fishery (C)
Naas River to but not including Prince Rupert
Observatory Inlet
Skeena River to Alaska
The Naas River

SKEENA RIVER:

Aberdeen
Balmoral
Balmoral (C)
Balmoral Canning Co. (C)
British American (C)
British American Canning Co. (C)
Carlisle
Claxton
Essington
From River's Inlet to Skeena River
Inverness
Inverness (C)
Inverness Canning Co. (C)
Irving
Methlakatla
Metlakatla (C)
North Pacific (C)
North Pacific Canning Co. (C)
Port Essington
Prince Rupert
Prince Rupert to Ogden Channel including Skeena River
Rivers Inlet to Skeena River
Royal Canadian (C)
Skeena (C)
Skeena River
Skeena River Canning Co. (C)
Skeena River District
Skeena River and Prince Rupert
Skeena River, including Prince Rupert
Skeena River including Prince Rupert and the Upper Skeena
Standart (C)
Windsor (C)
Windsor Canning Co. (C)

NORTH COAST:

Addenbrooke Island to Lowe Inlet

Bella Bella
Bella Bella and Fitzhugh Sound
Bella Coola
Bella Coola District
Bella Coola and Kimsquit District
Bella Coola, Dean and Burke Channels
Bilhoola
Butedale
Butedale, Gardiner Canal
Butedale including Gardiner Canal
Cunningham and Rhude (C)
Dean and Burke Channels
Dean Channel
Dean Channel District
Deans Channel
Fisher Channel and Fitzhugh Sound to Addenbrooke Island
Greenville-Principe
Grenville-Principe area
Kitloupe River
Lowe Inlet
Lowe Inlet District
Lowe's Inlet
Lowe's Inlet Canning Co. (C)
Lower Inlet Cannery (C)
Namu (C)
Namu Harbour
Nanaimo Cannery (C)
North Coast
Ogden Channel to Wright Sound
Price's Cannery (C)
Price's Canning Co. (C)
Princess Royal Island
Swanson Bay to White Rock, Millbank Sound
White Rock to Fisher Channel
Wright Sound, Douglas Channel, Gardiner Canal, Butedale to Swanson Bay

RIVERS AND SMITH INLETS:

Addenbrooke Island to Canoe Rock
Canoe Rock to Cape Caution
From How Sound to Smith's Inlet
From Smith's Inlet to River's Inlet
Good Hope (C)
Howe Sound to Rivers Inlet
Howe Sound to Rivers Inlet
Quashela Packing Co. (C)
Rivers Inlet
Rivers Inlet Cannery (C)

Rivers Inlet Canning Co. (C)
Rivers Inlet District
Rivers and Smith's Inlet District
Smith Inlet District
Smiths Inlet
Smith's Inlet
Victoria (C)
Wannock Packing Co. (C)
Warnock (C)

JOHNSTONE STRAIT:

Adams River to Cape Scott and surrounding district including Knight Inlet
Alert Bay
Alert Bay Cannery (C)
Alert Bay Canning Co. (C)
Alert Bay District
Alert Bay Packing Co. (C)
Alert Bay to Cape Scott including mainland waters opposite
Bute Inlet Cannery (C)
Cape Scott to Comox
Cape Scott to Tuna Point, including all waters between Vancouver Island and the mainland
Cape Scott to Tuna Point including waters between V.I. and Mainland
C.J. Hobson & Co. (C)
Comox
Comox, N.E. Vancouver Island
From Cape Scott, V.I., to Comox River
Gardner's Inlet
Nimpkish River
Oyster River to Adams River, with surrounding district
Oyster River to but not including Alert Bay and including mainland waters opposite
Quathiaski
Quathiaska
Quathiaska Cove
Quathiaska District
Tuna Point to Shelter Point, including mainland waters
Tuna Point to Shelter Point, including mainland waters opposite

STRAIT OF GEORGIA:

Big Qualicum River to and including Oyster River
Bute Inlet to Gower Point
Comox
Comox to Victoria
Cowichan
Cowichan Bay to and including Big Qualicum River

Cowichan River to and including Big Qualicum River
Crofton to Big Qualicum River
Fish sold by hawkers at Victoria, Nanaimo, Cowichan, Comox, Alberni, and other places on Vancouver, and Islands in the Strait
French Creek to Shoal Harbour
French Creek to Shoal Harbour including Nanaimo
French River to Oyster River, with islands opposite
French Creek and coast to Oyster River
From Comox River to Victoria
Grief Point to Gower Point
Mainland
Mainland Waters from Georges Point to Gower Point
Nanaimo
Nanaimo & Coast to French Creek
Nanaimo (Comox to Saanich)
Nanaimo (Comox to Saanich with Islands opposite)
Nanaimo, East Vancouver Island
North Side Cowichan Bay to Big Qualicum River
North Side of Toba Inlet to Grief Point
Pender Harbour
Pender Harbour District
Residents above Victoria and Nanaimo and the coast of British Columbia
Residents at Victoria and above Nanaimo and the Coast of British Columbia
Residents at Victoria, Nanaimo and on the coast of Vancouver Island
Separation Point to Nanaimo
Shelter Point to French Creek
Sidney Island to French River, with islands opposite
Victoria, Nanaimo, and Coast of British Columbia
West Coast, Mainland

JUAN DE FUCA STRAIT:

Beecher Bay
Carmanah Point to south end Sidney Island
Cowichan River
Esquimalt Harbour to North Side Cowichan Bay
From Victoria to San Juan
San Juan Harbor to N Side Cowichan Bay
San Juan River to Crofton
San Juan Harbor to Victoria
Shoal Harbour to Sambrio Point, including Victoria
Various parties in Victoria Esquimalt and other places
Victoria
Victoria and Esquimalt
Victoria District
Victoria (Saanich to Cape Beale)
Victoria to Cape Beale
Victoria to Separation Point

Victoria to south end Sidney Island
Victoria, Cowichan
Victoria-Cowichan
Victoria, South Vancouver Island

WEST COAST OF VANCOUVER ISLAND:

Alberni
Alberni District
Barkley Sound
Barclay Sound & Port Alberni
Barclay Sound and Port Alberni
Barklay Sound to Cape Scott
Cape Beale to Cape Scott
Cape Cook to Cape Scott, including Quatsino Sound
Cape Scott to Estevan Point
Cape Scott to Tatchu Point
Clayoquot
Clayoquot (C)
Clayoquot District
Clayoquot Sound
Estevan Point to Tatchu Point, including Nootka Sound
Estevan Point to Wreck Bay
From San Juan to Barkley Sound
Kyuquot
Nootka
Point Estevan
Quatsino
Sambrio Point to Pachena Point
Sambrio Point to Pachena Point, including Nitinat
Sambrio Point to Pachena Point, including Nitinat Arm
San Juan to Cape Beale
Tatchu Point to Cape Cook, including Kyuquot Sound
Tatchu Point to and including Wreck Bay
West Coast
West Coast Vancouver Island
Wreck Bay to Carmanah Point
Wreck Bay to Estevan Point including Clayquot Sound
Wreck Bay to San Juan Harbour

FRASER RIVER:

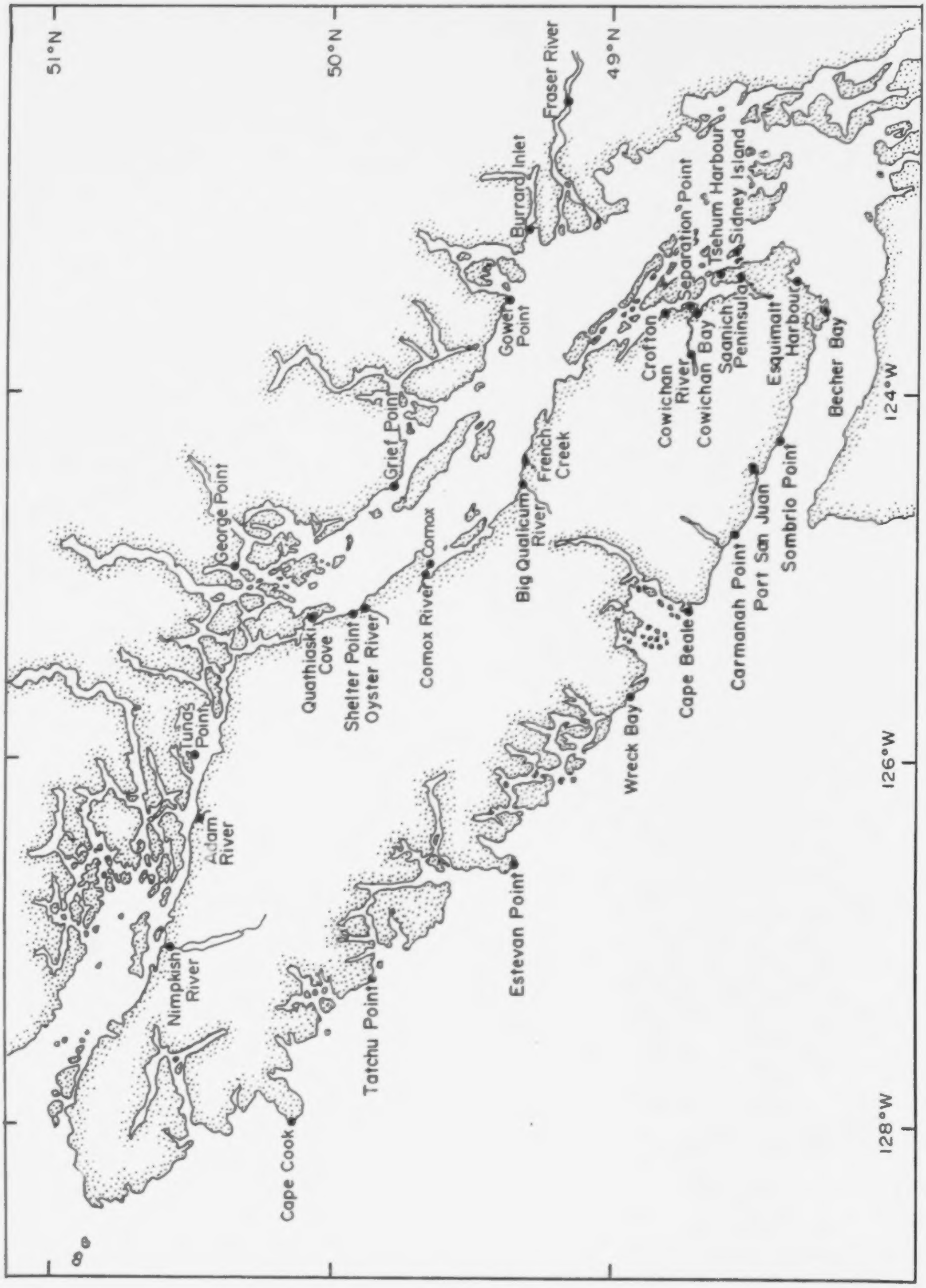
Adair & Co. (C)
Albion Island
Alliance (C)
Annandale (C)
Anniville

Atlas (C)
B. Haigh & Sons (C)
Beaver (C)
Beaver Canning Co. (C)
Bon Accord Fishing Co. (C)
Boutilier (C)
British American (C)
British American Packing Co. (C)
British Columbia (C)
British columbia Packing Co. (C)
British Union Packing Co. (C)
Brunswick Canning Co. (C)
Burrard Inlet
Burrard's Inlet and other places
Canadian Pacific (C)
Canoe Pass
Canoe Pass (C)
Canoe Pass Canning Co. (C)
Canoe Pass District
Carlisle (C)
Coquitlam
Dear Island
Dease Island
Dea's Island
Delta (C)
Delta Canning Co. (C)
District No. 1
District No. 1 – Comprises Fraser River and Howe Sound
District (No. 1)
Dumfries (C)
E.A. Wadhams (C)
English & Co. (C)
English Bay
Ewen's (C)
Ewen & Co. (C)
Findlay, Durham & Brodie (C)
Finlayson & Lane (C)
Fisherman's Canning Co. (C)
Fish sold by hawkers at Vancouver, Moodyville and Port Moody
Floating Cannery (C)
Fraser River
Fraser River and South to American Boundary
Fraser River Cannery (C)
Fraser River District
Fraser River District, including Howe Sound
Fraser River District, including Howe Sound and Burrard Inlet
Fraser River to American Boundary
From Fraser River to How Sound
Gary Point (C)

Good Murphy (C)
Gulf of Georgia Canning Co. (C)
Harlock's Harlock Canning Co. (C)
Holbrooke & Co. (C)
Holly (C)
Imperial (C)
King & Co. (C)
Ladner's Landing
Ladner's
Laidlaw's (C)
Laidlaw & Co. (C)
Lane Pike & Nelson (C)
Lion Island
Lulu Island
Lulu Island (C)
Near mouth of Fraser River
New Westminster
New Westminster and other points
New Westminster District
North Arm
North Arm District
North Arm, Fraser River
Pacific Coast (C)
Phoenix (C)
Phoenix Canning Co. (C)
Port Guichon
Port Hammond
Residents above Burrard Inlet
Residents about N.W. (New Westminster)
Residents above New Westminster
Residents at Vancouver and Port Moody and neighbourhood of Burrard Inlet
Residents in the neighbourhood of Burrard Inlet
Richmond (C)
Richmond Canning Co. (C)
Sapperton
Sea Island
Sea Island Canery Co. (C)
Spratts Ark (C)
Star (C)
Stave River
Steverton
Steveston (C)
Steveston District
Sunnyside
Terra Nova (C)
Vancouver
Vancouver District
Wadham's (C)
Wellington (C)

Wellington Canning Co. (C)
Westham Island
Westminster District

Figure C1. Geographical locations noted in this appendix that are not included on main text Figures 1 to 3.



APPENDIX D

DEVELOPMENT OF LANDED WEIGHT:PRODUCT WEIGHT CONVERSION FACTORS

TABLE OF CONTENTS FOR APPENDIX D

Page

1. INTRODUCTION 353
2. BACKGROUND 353
3. WEIGHTS AND MEASURES 354
   - 3.1. Barrels of Pickled Salmon 354
   - 3.2. Cases of Canned Salmon 356
   - 3.3. Numbers and Weight of Fresh and Frozen Fish 356
   - 3.4. Values of Smoked Fish 358
   - 3.5. Tierces of Mild Cured Salmon 358
   - 3.6. Weights of Other Products 359
4. PRODUCT/LIVE WEIGHT CONVERSION FACTORS 359
   - 4.1. Conversion Factors in Use from 1910 to 1932 359
     - 4.1.1. The 1923 worksheet 360
     - 4.1.2. Application of 1933 conversion factors to published 1923 statistics 361
   - 4.2. Further Test of the Applicability of Using 1933 Conversion Factors During 1910-1932 362
     - 4.2.1. 1910-1920 362
     - 4.2.2. 1921-1932 364
     - 4.2.3. Summary 364
   - 4.3. Appropriateness of Using 1933 Conversion Factors Prior to 1910 364
     - 4.3.1. Canned pack 365
     - 4.3.2. Products 366
     - 4.3.3. Summary 366

LIST OF APPENDIX D TABLES

Table Page

D1. Units of measurement for salmon products processed in British Columbia, 1828-1950. 368

D2. Information on utilization of fresh and smoked salmon in British Columbia during 1877-1887 371

D3. Value of fish listed as being "sold in markets", "cured for home consumption" or "consumed by railroad labourers". 373

D4. Product weight/live weight conversion factors used in the preparation of the 1933 report on the Fisheries Statistics of Canada. 374

D5. Extracts from worksheets used to prepare the 1923 report on Fisheries Statistics of Canada. 375

D6. Application of assumed landed weight/product weight conversion factors to published product weight data for 1923 and comparison of results with published figures on green landed weight by area for 1923. 378

D7. Comparison of computed and published estimates of green landed weight for salmon caught in British Columbia during 1910-1932. 379

D8. Summary of product weights and factors used to convert canned packs and products to green landed weight (GLW). 380

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DEVELOPMENT OF LANDED WEIGHT: PRODUCT WEIGHT CONVERSION FACTORS

1. INTRODUCTION

For most of the period covered by this report (1828-1950), estimation of landed weights of salmon required converting data on product weights from Department of Marine and Fisheries (DMF) and Dominion Bureau of Statistics (DBS) Annual reports and other sources into live weights ("green landed weights" or GLW) through the use of a series of appropriate conversion factors.

This Appendix details the methods we used to make those conversions. We first identify the different types of products that have been produced by the British Columbia fishing industry, next we define the types of measurements utilised in published and archival records to describe the quantities of products processed, and then we provide product to GLW conversion factors for each type of product. The methods section of the main text details the procedures we used to assemble our final data (annual GLW by area and species) from the products and canned packs. Readers may skip to the product weights and conversion factors that were used to generate GLW in the text tables by going directly to Table D8.

2. BACKGROUND

As outlined in the main text, the first commercial use of Pacific salmon by Europeans was by the Hudson's Bay Company in the early 1800s. The Hudson's Bay Company obtained its supplies of dried salmon from Aboriginals and actively exchanged the finished product among the posts. Dried salmon (mainly smoked), measured in terms of numbers of individual fish or "pieces", was to both British Columbia Aboriginal people and white traders what pemmican (dried buffalo meat) was to Aboriginal and white inhabitants of the prairies in the 18th and 19th Centuries.[1]

The export trade of salmon from British Columbia began in the early 1830s when the Fort Langley post began to prepare barrels of wet-salted (pickled) salmon for shipment overseas, mainly to Hawaii. In the 1860s, private entrepreneurs entered the commercial field and, by the 1870s, had largely replaced the Hudson's Bay Company in the fisheries trade. From 1910 onward, production of pickled salmon and of most other products, other than canned salmon, was recorded in pounds or hundredweight (cwt). Prior to that time, production was usually measured in barrels. In the early Hudson's Bay Company days and before the federal Department of Marine and Fisheries instituted a standard system of reporting, other types of containers (tierces, hogsheads, boxes and packages) were also listed (Table D1).

The advent of canning in the early 1870s revolutionised the industry and within 25 years fleets and factories rivalling those of the 20th Century were operating throughout British Columbia. From the early 1880s through 1950, canned products dominated the commercial salmon trade generally accounting for well over 70 percent of landings. Traditionally, canned production has been measured in terms of standardised 48-lb cases, but in the early years of the fishery, other sizes of containers were used.

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[1] For a summary of the early history of the fishery see Shepard and Argue (1989).

From the beginning of the commercial fishery there was also trade in fresh salmon; however, official records of the sale of fresh salmon do not begin until 1879 on the Fraser River (Table D1). In the earliest years of record keeping, fresh production was measured in terms of numbers of fish, but it was not long before pounds of fish became the standard. Records of trade in dry-smoked salmon (first in terms of value and then in terms of both poundage and value) began appearing in Dominion records in 1877 in Victoria. Around the turn of the Century records of other products began to appear. A vigorous trade with the Orient in dry-salted salmon began in 1897 and preserved salmon roe was added in 1900. These products have always been recorded in terms of poundage. Records [illegible] production of mild cured and frozen salmon first appeared in 1906. Production of frozen salmon was always in terms of poundage, but until 1910 mild cured production was measured in tierces. Beginning in the 1920s, substantial quantities of salmon (recorded in terms of poundage) were used for bait, principally in the longline fishery for halibut.

3. WEIGHTS AND MEASURES

Table D1 summarises the units of volume or weight used in source documents to record quantities of processed salmon products. Available information on the weights of products contained in the various units used for marketing and shipping is outlined below.

3.1. Barrels of Pickled Salmon

Between 1828, when the first experimental pickling of salmon was carried out by the Hudson's Bay Company at Fort Langley, and the termination of the Company's fisheries operation in the early 1870s, most salmon were packed in barrels. Shepard and Argue (1989) concluded that by 1830, the Company had standardised the contents of its barrels at 180 lb of product. However, salmon were also packed in "tierces", "hogsheads" and half barrels. On the basis of information on the numbers of salmon packed in barrels, Shepard and Argue concluded that the content of a Hudson's Bay tierce was about twice the content of a barrel, or 360 lb of product. In 1835, in addition to barrels and tierces, Company records indicated that some salmon were packed in hogsheads. The net weight of products packed in hogsheads is unclear. According to the Oxford Dictionary (1996), in terms of liquid measures, the capacity of a hogshead is about 1.4 times that of a barrel (50 Imperial gallons for a hogshead compared to 35-36 gallons for a barrel). On this basis, a hogshead would have contained about 250 pounds of product.

The first non-Hudson's Bay Company record of wet salted salmon production is found in the Colonial Office Bluebook of Statistics for the Colony of British Columbia for 1861. Here it is noted that 6 boats had fished with a production "of ... 1,085 barrels of Salmon of 200 lbs each and ... barrels of Sturgeon of 200 lbs each."[2]

Although different from the Hudson's Bay standard discussed above, the 200-lb capacity was to become universal throughout the North American independent Pacific salmon fishery. For example, in its 1913 Yearbook, the periodical "Pacific Fisherman" noted that pickling barrels used in Southeast Alaska held 200 lb. The same issue stated that in United States' law a barrel was defined as containing "two hundred pounds of fish or fifty gallons of oil". In his extensive review of the Pacific salmon industry, first published in 1911, Cobb (1930) stated that in the pickling process:

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[2] Colony of British Columbia. 1862. Bluebook for 1861.

> *... one sack of salt* [was] *used to every three barrels of 200 pounds each. About 40 to 52 red salmon, 25 to 35 coho salmon, 70 to 80 humpback salmon, 10 to 14 king salmon, and 25 to 30 dog salmon are required in packing a barrel of pickled salmon.*

On the basis of the above evidence, it is assumed that in the non-Hudson's Bay Company fishery on the Fraser in the 1860s, barrels of pickled salmon contained 200 lb of product each.

There remains a footnote to this discussion of containers to transport pickled salmon - the use of the term "kit". The origin of the term kit is unknown. The Oxford Dictionary (1996) gives one meaning of the word kit in British usage as "a wooden tub". Use of the term kit in British Columbia may have come from Hudson's Bay Company days; in a February 24, 1851 letter to Thomas Yale of the Fort Langley Post, Sir James Douglas stated that:

> *I send you by bearer a model kit or vessel for putting up salmon, a far more profitable method than putting up barrel* (outward correspondence from Fort Victoria. HBC Archive A/C/20/vi3Da).

There is no further information in the files on the use of such kits by the HBC - all records of pickled salmon after 1851 continued to be expressed in terms of barrels. Annual Reports of the Dominion Department of Marine and Fisheries (DMF) for 1879 and 1880 list pickled fish production in terms of barrels, half barrels and kits. In 1879, the value of a full barrel was listed as $8, whereas a kit was listed at only $3. In 1880, prices for barrels, half barrels and kits were $8, $5 and $3 respectively. Considering such unit prices, our best guess is that kits were quarter barrels (half barrels were priced at about 60% of the price of a full barrel and the price of kits bore approximately the same relationship to that of half barrels).

In deriving estimates of production between 1860 and 1877, Shepard and Argue (1989) used Customs' information on exports. The Customs' data did not list the type of container used to ship pickled fish for all years, and when containers were listed, they included "packages and boxes", as well as kits and barrels. On the basis of prices, the authors concluded that the per unit weight of pickled salmon shipped in packages was roughly the same as that shipped in barrels; quantities expressed in such terms were therefore treated as if they had, in fact, been packed as 200 lb barrels. Boxes are discussed in the next section.

Home consumption of pickled salmon was reported in barrels at various times from 1881 through 1887 for the Strait of Georgia, Victoria and the Fraser River. These values are lumped with commercial production for this period.

3.2. Cases of Canned Salmon

Shepard and Argue established that the 48-lb case, the industry-wide standard measurement of canned fish production in existence today, was first adopted in 1874. Departmental reports for all succeeding years (except for 1875 for which no data were given) confirm this conclusion. For earlier years, Shepard and Argue reasoned that 100 lb cases each consisted of 100 one-pound tins of salmon, and that references to tons of salmon were in fact to long tons (2,240 lb), each consisting of 22 cases of 100 one-pound tins.

To provide background for assessment of the extent of canned salmon production in 1871, 1872 and 1874, years for which production data were lacking, Shepard and Argue analysed available Customs data. For 1871, some of the exports were listed in terms of "boxes". Although the data are not conclusive, the authors considered that these containers were probably 48-lb cases of canned salmon. The reader is referred to the original paper for further discussion.

From 1876 onward, all canned pack data in official reports are given in either 48-lb cases, pounds or hundredweight (defined in the reports as comprising 100 lb rather than the 112 lb comprising a British hundredweight).

3.3. Numbers and Weight of Fresh and Frozen Fish

As shown in Table D1, quantities of fresh or frozen fish are given in pounds or hundredweight in most years. For 1880, 1881, 1883, 1884 and 1885, however, the data are given in numbers of fish. In order to estimate weights from such data on numbers, it is necessary to know the species composition of the salmon used. As discussed in Appendix E (Section 3.2.3.2), these fish were assumed to be predominately chinook and coho. We used the average round weight of the combined coho and chinook catch for all of British Columbia from 1951 to 1954 which was 10.08 lb, rounded to 10 lb, to convert numbers to weight.

The early Annual Report data sometimes mixed fresh fish used for subsistence purposes with that sold fresh in local or export markets. As shown in Table D2 for 1882 through 1887, the fresh salmon data included salmon variously used by individual commercial fishing establishments, by individuals “for home consumption”, and “by hawkers”. The Annual Reports also include estimates of consumption of salmon and other fish (lumped) “by Chinese labourers and others on the railway” (for 1883-1887), quantities of fish (species unspecified) “sold in markets” (1877-1886), and fish (again species unspecified) “cured for home or private consumption”. It is not certain to what degree the latter two categories included salmon, but there is no doubt that the category listing consumption by railway workers would have contained important numbers of salmon. As shown in Table D3, the estimated value of fish consumed by railway crew was substantial; had all these fish been salmon, the quantity could have exceeded a million pounds a year (e.g. $100,000 worth of fish in 1887 @ .10/lb the prevailing price for fresh fish); these data were not included in our tabulations.

From 1888 onward, such statistics were presented by general areas rather than by establishments and so it is not possible to determine with certainty whether or not salmon used for subsistence purposes were included. For some areas prior to 1888, it would seem that such catches would have been included. For example, from 1883 through 1887 the tables contained a listing for “home consumption or home consumption and exportation” for

Victoria and other places (mainly on Vancouver Island). Entries under this category were very substantial (See Table D2).

During the 1883-1887 period, records of production of fresh fish in commercial establishments on Vancouver Island were limited to listings for establishments only in Victoria (Juan de Fuca Strait) or Alert Bay (Johnstone Strait); no commercial production was listed for the Vancouver Island shore of the Strait of Georgia north of Victoria. Despite this, in the 1888 record (see text Table 23), production in the area between Comox and Victoria (but not including Victoria) was listed as being amongst the highest on the coast. To our knowledge, there was no sudden development of commercial establishments in the latter area between 1887 and 1888. It therefore would seem likely that fresh fish data, which in years prior to 1888 had been listed as, for example, "for home consumption in Victoria and other places", was now included in the 1888 record as commercial production under the heading "from Comox River to Victoria". On this basis, and for purposes of consistency in our analyses, we have included the salmon figures separately for home consumption and personal use listed in the 1882 to 1887 Annual Reports under the headings "Fresh/Frozen" "Fishermen" in main text Tables 23 and 26. The figures for fish utilized by railroad crew, or unspecified fish sold in markets, or unspecified fish cured for home consumption, however, were not included since these included species other than salmon. It is likely, therefore, that the totals used in our report for these early years do not take into account all salmon passing through commercial channels.

From the beginning of the recording of landed weights shortly before World War I through 1950, Government statisticians always assumed that fresh and frozen fish were sold in the round (i.e., the landed weight:processed weight conversion factor was 1.0). We used this factor for landings of fresh and frozen salmon for the entire study period, 1828-1950. This assumed value may not be accurate for landings by hook and line troll fishermen. Although we do not have documentary proof, we believe that the troll fishery landed its product in the dressed form (generally gutted, head on) through much of its history. Also, for most of the pre-1951 period, it is believed that troll-caught chinook and coho salmon were purchased by the pound rather than by the piece. In contrast, at least before 1940 according to Lyons (1969), most fish used for canning and mainly caught by net fishermen were purchased by the fish. She states that 1937 was the first year that sockeye "was bought by the canners on a weight basis at some location". With respect to hook and line caught chinook, in the 1913-1914 DMF Annual Report the Inspector of Fisheries for District II, Edward G. Taylor, reported that after a short strike, buyers paid hand line fishermen fishing around Langara Island between four and five cents per pound for chinook.

Since 1951, DFO divided troll caught landed weights by 0.85 to estimate GLWs. We were unable to find any evidence that departmental officials made corrections for such on-board processing prior to 1951; a view shared by Burton (1949). If they did not, it must be assumed that, for some areas and years prior to 1951, estimates of the landed weight of fresh and frozen salmon (most of which were troll-caught chinook and coho salmon) in the published statistics and in estimates presented in this report could be too low by as much as 15 percent. We have not made any attempt to adjust for such possible errors. In the first place we do not have solid evidence that such errors did occur. In the second place we felt that it was more important to develop a consistent body of product data that could be related in an orderly manner to the published DMF records than to attempt to "fine tune" the product data, rendering it difficult to identify the figures we develop in this paper with the existing published historical record.

3.4. Values of Smoked Fish

For most years between 1877 and 1885 quantities of smoked salmon were expressed in terms of dollar value (Table D1). In our analyses, these values were converted to product weights on the basis of price. The annual reports for 1878 and 1879 listed a price of 8 cents per lb for smoked product. The data for those years were listed in part by weight and in part by value (the latter for production in the Victoria area). The value data were transformed to weight data on the basis of 8 cents/lb. Data for 1877 were limited to a single value. The 1878/1879 price of 8 cents/lb was used to estimate product weight for that year.

Annual Reports from 1883 onward provide information on both weights and value, permitting computation of prices. As shown in Table D2, the price in 1883 was 14 cents/lb, 6 cents more than in 1879. Lacking any direct information on prices in the intervening years of 1880-1882, the average of the 1879 and 1883 prices (i.e. 11 cents/lb) was used to convert the value data for the former three years into weight data.

Data derived by applying the above price conversions are summarised in Table D2.

The smoked salmon data for the early years are somewhat equivocal in that they list not only production in commercial establishments but also smoked salmon used for "home consumption". For the reasons cited in Section 3.3 above, home consumption data were included in the analyses in the present report. Relevant data for both commercial and home consumption production are listed in Table D2.

3.5. Tierces of Mild Cured Salmon

From 1906 through 1909 production of mild cured salmon was recorded in tierces (Table D1). As outlined by Shepard and Argue (1989), in Hudson's Bay Company days a tierce of pickled salmon appeared to average about two barrels worth of fish (about 360 lb). In later years, however, when mild cured salmon production by non Hudson's Bay entrepreneurs began, tierces were much larger. The Annual Report for 1907 carries the notation that "a tierce is 760 lb". The Reports for 1908 and 1909 indicated that the average weight of a tierce was 750 lb. From 1910 onward, mild cured production was listed in hundredweight and the 1910 Annual Report makes it clear that the hundredweights used were "short" (i.e. 100 lb) rather than "long" (i.e. 112 lb).

Other authors have used different figures to represent the average weight of product in a tierce. Thus, Appendix 37 in Lyons (1969) indicated that tierces were "each of 825 pounds net weight". Issues of the Pacific Fisherman periodical early in the century[3] and Cobb's monograph (Cobb 1921) consistently use a figure of 800 lb/tierce. Both these figures are higher than the figures used in the Department's Annual Reports. Nevertheless, since the purpose of establishing conversion factors is to transform Department measures of the time from existing units, in this case tierce, to pounds, we decided to use the Annual Report measures. On this basis, in 1906 and 1907 a measure of 760 lb/tierce was used, whereas for 1908 and 1909 a measure of 750 lb tierce was adopted. Thereafter, mild cured salmon was expressed in hundredweight in DMF and DBS reports.

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[3] Pacific Fisherman. February 1907. Page 63.

3.6. Weights of Other Products

Quantities of other products (e.g. roe or bait) were all given directly in pounds or hundredweights. Since roe was a by-product of processing, roe amounts were not used to calculate landed weight of the catch.

4. PRODUCT/LIVE WEIGHT CONVERSION FACTORS

Having established the net weight of processed salmon products throughout the Province from 1828 to 1950, our next task was to convert these product weights into the weight of freshly landed salmon (GLW) for the years of concern.

Beginning in 1933, the annual Dominion Bureau of Statistics report containing the Fisheries Statistics of Canada provided the conversion factors that were used to calculate estimates of total landed weight. These are summarised for 1933 in Table D4. The factors for smoked, dry-salted, mild cured and pickled products remained unchanged from 1933 through 1950, the year before the modern British Columbia sales slip system came into operation and the last year in which we depended on Dominion Bureau of Statistics data. The factor for canned salmon, however, did change from 84 lb of raw fish per 48 lb case of canned product in 1933, to 80 lb in 1939 and to 75 lb in 1945,[4] reflecting the view that more efficient use was being made of the catch as time went on.

The question remains as to what conversion factors should be used for years prior to 1933.

4.1. Conversion Factors in Use from 1910 to 1932

Examination of various published and unpublished documents of the DMF indicated that the conversion factors listed in 1933 had been in use at least back to 1923. The question was: were the conversion factors used in 1923 to 1950 the same as those used from 1910 to 1922?

From 1910 onward, the Annual Reports of the Dominion Government dealing with fisheries provided estimates of the "actual quantities of fish taken" from Canadian waters, which were in effect the landed weight of the catch (GLW) in each area. Departmental officers obtained the required numbers by applying conversion factors to product and canned pack data obtained from commercial enterprises, and from Fishery Officers' estimates of quantities of products sold directly by fishermen. In order to conduct our analyses we had first to determine the conversion factors used by the officers, and then to determine the species composition of salmon (Appendix E) used for each product.

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[4] In the 1980s, the Department of Fisheries and Oceans used the following conversions for the canned pack: 68 lb for sockeye, 72 lb for chinook, coho and steelhead and 75 lb for pink and chum (Ms. Mary Wiebe, DFO Vancouver, pers. comm.). Based on industry surveys, current (1990s) industry conversion factors are: canned – 68 lb for sockeye, 74 lb for chinook, 71 lb for coho, 76 lb for pink and 75 lb for chum; salted – 1.26 for red chinook and 1.28 for sockeye; smoked – average 1.68 lb, ranging from 1.45 to 2.19 depending on the salmon species and whether the product is cold or hot smoked; and fresh/frozen head-on – average 1.17, ranging from 1.14 to 1.29 depending on the salmon species and whether the product is fresh or frozen (Ms. Carmen Matthews, B.C. Ministry of Agriculture, Food and Fisheries, pers. comm.).

The following six sections deal with verification that conversion factors for 1933 were the same as those for 1923, and verification that these factors were used to convert products and the canned pack to GLW in 1910 to 1932.

4.1.1. The 1923 worksheet

Departmental statistical files for 1923 to 1950 are relatively complete and worksheets that were used to prepare annual statistical summaries published in the DBS "Fisheries Statistics of Canada" were available to the authors for many of these years. For example, for the 1923 season, statistical officers prepared a table listing the quantities of products processed by each commercial establishment in the Province, plus an estimate of the quantities of fish marketed directly by fishermen on their own. The officers then calculated the total green landed weight of salmon used by each establishment. Table D5 lists extracts from this table with establishment names coded in order to preserve the confidentiality of their operations. Data for three areas, the Skeena River, the Queen Charlotte Islands and District I (the Fraser River) are shown in the table. Column I lists the green landed weight of salmon used by each establishment as computed by the officers. Columns II, IV (numbers of cases), VI and VIII through XIII list the net weight of products put up by each establishment.

Some establishments put up only one type of product. For example, most of the establishments on the Skeena limited their operations to canning. For all establishments limited to canning, it is evident that the officers obtained their estimates of green landed weight by applying a factor of 84 lb/case to the listed numbers of cases canned (Column V = Column I/Column IV). It will be recalled that this is the same conversion factor that was published by DBS in the "Fisheries Statistics of Canada" for 1933. Similarly, there were some establishments that limited their operations to other single products. Thus, for example, establishment "QCI-3" in the Queen Charlotte Islands processed only dry-salted salmon. As in the case of canned salmon, the conversion factor computed by the statistical officer in 1923 for dry-salted product was the same as that published in the 1933 Fisheries Statistics of Canada (i.e. 125-lb raw salmon per cwt. of dry-salted product).

There were a number of establishments that processed several products. With known conversion factors for canned and dry-salted products, it is possible to determine the conversion factors used by the statistical officers for the other products. Thus, for establishment "SK-7", of the total estimated green landed weight of 47,157.17 cwt, 37,403.38 cwt were accounted for by "grossing up" the quantities of canned and salted product by the appropriate conversion factors, leaving 9,754.5 cwt. as the estimated green landed weight of the remaining product of the company - mild cured salmon. This amount is exactly 1.5 times 6,503 cwt mild cured product, indicating that the conversion factor listed in the 1933 Fisheries Statistics of Canada report was also used in 1923. In a similar way, 1923 conversion factors for pickled and smoked salmon were shown to be the same as those used in 1933 (1.5 and 1.7 respectively). The 1923 data indicated that fresh fish and salmon used for bait were considered to have been marketed in the round (conversion factor 1.0); that the conversion factor for kippered salmon was the same as for smoked (1.7), and because it was considered to be a by-product, the weight of processed salmon roe products were not taken into account in the calculation of green landed weight.

4.1.2. Application of 1933 conversion factors to published 1923 statistics

The validity of these conversion factors was examined by applying them to published statistics on quantities of products processed in 1923. The Bureau of Statistics reports during the period included listings of weights of products by area along with estimates of aggregate green landed weights.[5] Table D6 provides the comparison for 1923. Columns I through VIII list the quantities of each product processed. In columns IX through XVI, the conversion factors developed in the previous paragraph (except for that covering "bait")[6] were applied to the product data from columns I through VIII.

The sum of the estimated green landed weights of products, excluding roe (Column XVII), can be compared with the published Bureau of Statistics estimates listed in Column XVIII. For most areas, the two sets of data were identical or within a few hundredweight of each other. The estimate for the Fraser was out by 938 cwt of a total of 357,407, or less than 0.3%. The estimate for the Skeena was lower by 1,751 cwt of a total of 334,974, or about 0.5%, and for the Big Qualicum to Oyster River area, the published total was 75 cwt (0.6%) lower than the calculated total. These differences could not have arisen simply from the use of different conversion factors; several areas exhibited the same product mixes (fresh and canned fish only) as did the Big Qualicum-Oyster River area and one area (Wreck Bay - San Juan) had the same mix as the Skeena. The computed figures for these other areas exactly matched the published figures. Thus the discrepancy between the figures for these areas and the Skeena River and Big Qualicum to Oyster River areas could not have occurred if the same conversion factors had been used for all areas. It is likely that the relatively minor discrepancies were due either to arithmetic errors, or to last minute adjustments. For example, adjustments to account for late receipt of, or amendments to, product information for these areas; presumable changes were made either to product totals or to green landed weight totals, without consequent changes in other dependent statistics.

Examination of the worksheet data give support to the view that some of the differences are due to arithmetic errors. For example, in the published record for the Skeena, the total quantity of fresh fish was recorded as 37,794 cwt, whereas in the worksheets and the associated forms filled out by companies, the total was 34,794 cwt, a difference of 3,000 cwt. A check of the original forms submitted by fishing companies suggests that the published figures are in error. Apparently in preparing the published table, a transcription error occurred. Correction of this error, however, does not reconcile the Skeena River figures and so it appears likely that other errors had crept in.

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[5] As will be discussed in more detail later in this Appendix and in Appendix F, in the 1920s government statisticians assumed that products processed in each area came from salmon caught in that area.

[6] A factor of 2.0 was used for bait because it was noted that the quantities of bait contained in the published material were exactly half those contained in the worksheet. It would appear that the officers had originally used "grossed-up" data instead of unadjusted data and a correction was subsequently made in preparing the published data. For all other years a conversion factor of 1.0 was used for bait.

In light of the foregoing it seems most likely that in 1923 the very small difference between calculated and published figures for green landed weight (which on a province-wide basis amounted to less than 0.15% of the total) was due to arithmetic errors. We conclude that the conversion factors recorded in the 1933 Annual Report probably were applied by government bookkeepers to the 1923 to 1932 data.

4.2. Further Test of the Applicability of Using 1933 Conversion Factors During 1910-1932

As a further test of the validity of the 1933 conversion factors, the calculations in Table D6 were applied to published product and canned pack data in government reports for 1910 (the first year the annual reports give estimates of green landed weight) through 1932. Estimates based on "grossed-up" product data were compared with the published figures for green landed weight for each statistical area and for the province as a whole. The results are summarised in Table D7 for 1910 through 1932.

4.2.1. 1910-1920

Table D7 shows that for 1914, 1915 and 1917, the computed estimates were virtually identical to the published figures, both within statistical areas and for the province as a whole.

For 1916, the provincial totals were almost identical (only a two cwt difference out of a total of almost 1.2 million cwt) but there were significant differences in the figures for three areas (between 1,000 and 3,500 cwt) in northern British Columbia (District II). These differences seem to be due to compensating mistakes in assigning fish to areas, or to genuine attempts to distinguish between areas where fish were caught and landed, as opposed to areas where fish were processed. Unfortunately, files of Departmental correspondence for the pre-1923 era are very sketchy and provide no help in answering this question. In any event, it appears that the discrepancies noted in the 1916 data were not due to use of different conversion factors.

For 1913, estimates were identical with published figures for all but one of 15 statistical areas in use that year. The published figure for Cowichan was over 7,000 cwt greater than the estimate based on grossed-up products. Since the same mix of products occurred in Cowichan and in several other areas, it is evident that the discrepancy was not due to use of different conversion factors than those used in 1933. Thus we conclude that from 1913 to 1917 the conversion factors used to expand product weight data to green landed weights were the same as those in use in 1933.

For the three earlier years, 1910-1912, the estimates and the published totals on an aggregate provincial basis were within one percent. There was, however, almost no agreement between figures on an area by area basis. In one year the estimated figures were higher than the published figures, whereas in the other two years the reverse was true. In a few areas there were only two products processed. Trial calculations suggest that, for some products, somewhat different conversion factors might have been used in these three years. For example, in the Comox area in 1912, products were limited to fresh and smoked salmon. Assuming that the weight of fresh fish was not grossed up (a situation that seems to have been the case until 1951), a conversion factor of 2.0 for smoked salmon (rather than 1.7 as used in 1933) would have been required to arrive at the published total green landed weight for the

Comox area. Application of a factor of 2.0 to smoked salmon in other areas resulted in agreement between estimated and published figures for four of 15 areas where processing was limited to preparation of fresh, smoked and dry-salted (conversion factor 1.25) products. This suggests that the conversion factors for fresh and dry-salted salmon were the same as those used in 1933, but that the factor for smoked salmon was higher. Unfortunately, application of this approach to data for 1910 and 1911 for areas with similar product mixes did not provide similar solutions. Several other modifications to conversion factors were tried to achieve better fits between the grossed-up estimates and the published figures. None, however, provided a consistent solution for all three years. Searches of the very sparse Departmental file material revealed a few references to different conversion factors. Application of some of the factors mentioned in these files did not provide improvements in the fit of the calculated data to the published figures.

After numerous attempts to reconcile the data for the 1910-1912 period, it was concluded that during these early years, the method of recording catch estimates from product data was in a formative state, varying between areas and years. Nevertheless, taking into account the overall good fit of the 1933 conversion factors to the 1910-1912 data (over 99% agreement overall in each of the three years on a province-wide basis), it was concluded that application of the 1933 conversion factors to the 1910-1912 product data would provide a reasonable estimate of green landed weight by area for the 1910-1912 period.

Data for 1918 were very different from those for any other year between 1910 and 1932. On a province-wide basis, the published GLW for total catch was more than 10 percent below the figure based on product weight gross-ups. Attempts to unravel the mystery were unsuccessful. The differences were quite inconsistent. For example, for the Queen Charlotte Islands, product values were given but no figures were entered for green landed weight. The marked divergence from former recording patterns suggests that some radically different approach had been taken to compute landed weight, perhaps one that took into account transfers of raw fish between areas. However, the fact that most of the computed estimates for individual areas were less than the published figures and that the published aggregate total for the province was less than the computed values by more 10 percent, suggest that the differences were due to factors other than transfers. We were unable to explain the inconsistency of the 1918 data with data for the previous eight years. Data for 1919 also contained a number of inexplicable entries (only two of the 16 area estimates agreed with published figures). Nevertheless, the aggregate difference (only 1.46%) was much less than it had been for 1918 (10.2%). Data for 1920 were identical for most areas and the provincial total was less than 0.5 percent different from the published total.

It is worth noting that in 1917, responsibility for publication of official fisheries statistics passed from DMF (then the Fisheries Branch of the Department of the Naval Service) to the Dominion Bureau of Statistics. Although the 1917 Report of the Fisheries Branch stated that:

> *the statistical information* [contained in the Annual Report] *is collected by our fishery officers and checked in this Department, as before*

the inconsistencies in the published statistics for the next two years (1918 and 1919) may have reflected, at least in part, a breakdown in the system during the transition between the two Departments. It is also noted that 1918-1919 marked the end of World War I and it would seem natural that the conduct of fisheries and reporting thereof would have been a low priority for the Dominion Government.

4.2.2. 1921-1932

For most years between 1921 and 1932 there was generally close agreement between estimates and published figures for individual areas. For some areas, however, there were rather large discrepancies. These appeared to occur at random and could not be explained by use of conversion factors different from those used in 1933. For areas with similar product mixes, estimates and published figures for some were in complete agreement, but differed markedly in others. In the end, we concluded that the discrepancies reflected the influence of factors other than different product weight/live weight multipliers.

In some cases, the differences could have reflected adjustments for transfers of raw product between areas prior to processing. This, however, was not the general practice during the pre-1933 period. Even though it was known that raw material was being moved between areas, particularly during the late 1920s, there was no evidence in the archival material that published statistics took such transfers into account.

During the 1921-1932 period there were only two years (1928 and 1932) when the difference between estimated landed weight and published landed weight for the whole province exceeded 1 percent of the published total (Table D7). In both cases the published landed weights were higher than the computed estimates, suggesting the possibility that the published figures took into account supplementary information such as late returns, and that these were not reflected in the product data.

4.2.3. Summary

We conclude that conversion factors the same as or very close to those contained in published reports starting in 1933 were used by government statisticians throughout the 1910-1932 period in order to convert company records of product data by area to estimates of GLW by area. Therefore, in the main text tables we used our calculated GLWs for 1910-1932. Good correspondence between computed and published totals indicates that the bookkeepers assumed that all salmon products processed in an area came from fish that had been caught and landed in the same area. However, as discussed in Appendix F, the 1920s saw increasing transfers of raw material between areas for processing, which would have significantly weakened the validity of this basic assumption.

4.3. Appropriateness of Using 1933 Conversion Factors Prior to 1910

Prior to 1910, Dominion reports do not provide estimates of green landed weight. As outlined earlier in this appendix, information on quantities of products processed by establishment and area are available from the earliest days of the fishery. In order to use such data to develop estimates of landings, the applicability of conversion factors in use from 1910 onwards to the earlier data was considered.

4.3.1. Canned pack

The principal product in the pre-1910 period was canned salmon. In the earliest days of the fishery, it would not be surprising to find that there had been substantial wastage of raw fish in the canning process, which at the time was carried out on a largely experimental basis. Even in the early days, however, there was an obvious concern for efficiency. Salmon were not easily caught every year and the processors were hard pressed to make an economic go of their businesses. According to Lyons (1969):

> *... it was said of Alexander Ewen* [the acknowledged leader of the industry in its early years] *that he never wasted a fish.*

By 1890 the industry had matured. In many years the availability of fish was a limiting factor in the total output (e.g., see 1876 DMF Annual Report). Under these circumstances there would have been a premium on full utilisation of all fish landed. A special report included in the Annual Report of the Department of Marine and Fisheries for 1890 provides insight into the extent of utilisation of salmon in the production process of that time. During the 1890 season, Mr. Samuel Wilmot, Superintendent of Fish Culture for the Dominion, visited British Columbia to examine the effectiveness of the Department's program there. With respect to utilisation of salmon in the canneries, Mr. Wilmot noted that:

> *... the head, shoulders, tail-cut, fins and entrails, making nearly one-third of the whole salmon, is shoved off the table ...*

Wilmot's report continues:

> *The usual weight of the general run of 'Saw-kay' salmon in the Fraser River will average between 7 and 8 pounds. If the fish are very plentiful in the river the canneries give a little more latitude to the slashers who cut off the heads, tails and fins, which they take advantage of by being more generous in the size of the parts they cut off as waste, as it is much easier to do so. In this case an average 8 pound salmon will make from four to four and a-half 1 pound cans for market. If, on the other hand, the fish are not so plentiful, less curtailing of the body of the salmon is done, and four and a-half or five cans may be got from the same sized fish.*

On the basis of Wilmot's observations, in years when salmon were plentiful, between 85 and 96 pounds of raw product would have been required to produce a 48 pound case of canned product. In leaner years, he estimated that with more efficient utilisation, only 77-85 pounds of raw fish would have been required. The median of these observations is about 85 pounds of raw fish per 48-pound case of tinned salmon, a level of utilisation similar to that used in the post-1910 period.

Based on this finding, the authors concluded that for the pre-1910 period, the conversion factor used by the Department up to 1939 (84 lb/case) would be reasonable for use throughout the early years of the industry.

4.3.2. Products

There are virtually no data on the amounts of raw salmon that were used to put up various types of products prior to 1910. However, the technology for processes such as mild curing and dry salting, as applied by the Pacific salmon industry, developed only around the turn of the century (mild cured production was recorded first in 1906 and dry salting only a decade earlier). Thus the use of conversion factors developed around 1910 to data for the decade or two immediately preceding would probably not result in any great degree of distortion. Smoking was a highly traditional form of processing, stemming from Aboriginal and early Hudson's Bay Company practices. It is doubtful if the efficiency of the smoking process would have been greatly different in the pre- and post-1910 periods. To some extent pickling too was a traditional activity, having been initiated on the Pacific coast by the Hudson's Bay Company before 1830. The pickling trade was all but over by 1910 with only sporadic packs being made. Conversion factors developed around 1910, therefore, were probably based largely on the traditional practices that had prevailed for many years before.

4.3.3. Summary

Admittedly, evidence of utilisation (conversion factors) in the pre-1910 period is almost non existent. Nevertheless we believe that, for the products discussed in the previous paragraphs, it is unlikely that the extent of utilisation was much different in the pre- and post 1910 period, at least during the period after the industry had developed to a highly industrialised level in the late 1880s and early 1890s. In earlier years, when competition for fish was less and operations more primitive, it is quite possible that there was more wastage and that conversion factors might have been higher. However, there is little evidence in archival material examined to date to establish quantitative bounds on such numbers, so the authors have chosen to apply the post-1910 conversion factors (Table D8, column 3) throughout the history of the fishery. Doing so may have resulted in underestimation of the catch in the earliest years.

Table D1. Units of measurement for salmon products processed in British Columbia, 1828-1950.[a]

Year	Pickled		Dried	Canned	Fresh	Frozen	Fresh & Frozen	Smoked	Dry Salted	Mild Cure	Roe
	Processed	Exported									
1828, 1829	Tierces, Fish	-	-	-	-	-	-	-	-	-	-
1830, 1831	Barrels	-	-	-	-	-	-	-	-	-	-
1832	N.A.	-	-	-	-	-	-	-	-	-	-
1833, 1834	Barrels & Half barrels	-	-	-	-	-	-	-	-	-	-
1835	Tierces, Barrels,Half Barrels & Hogsheads	-	-	-	-	-	-	-	-	-	-
1836-1841	Barrels	Barrels	-	-	-	-	-	-	-	-	-
!842,1843	N.A.		-	-	-	-	-	-	-	-	-
1844-1851	Barrels	Barrels	-	-	-	-	-	-	-	-	-
1852	Barrels & Half Barrels	Barrels & Half Barrels	-	-	-	-	-	-	-	-	-
1853, 1854	Barrels	Barrels & Half Barrels	-	-	-	-	-	-	-	-	-
1855	N.A.	Barrels	-	-	-	-	-	-	-	-	-
1856	Barrels	Barrels	-	-	-	-	-	-	-	-	-
1857-1859	N.A.	Barrels	-	-	-	-	-	-	-	-	-
1860	Barrels	Barrels	-	-	-	-	-	-	-	-	-
1861	Barrels	Barrels	-	-	-	-	-	-	-	-	-
1862-1866	N.A.	Barrels &	-	-	-	-	-	-	-	-	-
	-	Packages	-	-	-	-	-	-	-	-	-
1867,1868	Barrels	Barrels &	-	-	-	-	-	-	-	-	-
	-	Packages	-	-	-	-	-	-	-	-	-
1869	Barrels	Barrels,Kits	-	-	-	-	-	-	-	-	-
	-	& Packages	-	-	-	-	-	-	-	-	-
1870	Barrels	Barrels &	-	100 lb Cases	-	-	-	-	-	-	-
	-	Packages	-	-	-	-	-	-	-	-	-

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Table D1. Continued

Year	Pickled		Dried	Canned	Fresh	Frozen	Fresh & Frozen	Smoked	Dry Salted	Mild Cure	Roe
	Processed	Exported									
1871	Barrels	Barrels &	-	NR	-	-	-	-	-	-	-
	-	Boxes	-	-	-	-	-	-	-	-	-
1872	NR	Barrels &	-	NR	-	-	-	-	-	-	-
	-	Packages	-	-	-	-	-	-	-	-	-
1873	Barrels	Barrels	-	Tons &	-	-	-	-	-	-	-
	-	-	-	100 lb Cases	-	-	-	-	-	-	-
1874	Barrels	Barrels	-	48 lb Cases	-	-	-	-	-	-	-
1875	NR	Barrels	-	NR	-	-	-	-	-	-	-
1876	Barrels	Barrels	-	48 lb Cases	-	-	-	-	-	-	-
1877	Barrels	Barrels	-	lb	-	-	-	$	-	-	-
1878	-	-	-	Cans	-	-	-	$ & lb	-	-	-
1879	Barrels &	-	-	lb	lb	-	-	lb	-	-	-
	& Kits	-	-	-	-	-	-	-	-	-	-
1880	Barrels &	-	-	48 lb Cases	No. @ $.50	-	-	$	-	-	-
	& Kits	-	-	-	-	-	-	-	-	-	-
1881	Barrels	-	-	48 lb Cases	No. @ $.25	-	-	$	-	-	-
1882	Barrels	-	-	48 lb Cases	lb	-	-	$	-	-	-
1883,1884	Barrels	-	-	48 lb Cases	No. @ $.30	-	-	$	-	-	-
1885	Barrels	-	-	48 lb Cases	No.	-	-	$	-	-	-
1886-1888	Barrels	-	-	48 lb Cases	lb	-	-	lb	-	-	-
1889-1896	Barrels	-	-	lb	lb	-	-	lb	-	-	-
1897-1899	Barrels	-	-	lb	lb	-	-	lb	lb	-	-
1900	Barrels	-	-	48 lb Cases	lb	-	-	lb	lb	-	lb[b]
1901	Barrels	-	-	48 lb Cases	lb	-	-	lb	lb	-	NR
1902	Barrels	-	-	48 lb Cases	lb	-	-	lb	lb	-	lb[c]
1903	Cases	-	-	48 lb Cases	lb	-	-	lb	lb	-	lb[d]
1904,1905	Barrels	-	-	48 lb Cases	lb	-	-	lb	lb	-	lb[d]
1906-1909	Barrels	-	-	48 lb Cases	lb	lb	-	lb	lb	Tierces	NR
1910	NR	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	NR
1911	NR	-	Cwt	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	Cwt
1912	NR	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	Cwt

Table D1. Continued

Year	Pickled		Dried	Canned	Fresh	Frozen	Fresh & Frozen	Smoked	Dry Salted	Mild Cure	Roe
	Processed	Exported									
1913	NR	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	NR
1914	Cwt	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	NR
1915	Cwt	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	Cwt
1916	NR	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	Cwt
1917-1919	NR	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	Cwt
1920-1950	Cwt	-	-	48 lb Cases	-	-	Cwt	Cwt	Cwt	Cwt	NR

a. Sources: All Categories 1873-1916 Ann. Rept. Dept. Mar. & Fish. (and successor organizations).
1917-1950 Dominion Bureau of Statistics, Fisheries Statistics of Canada.
Pickled (Processed) 1827-1829 H.B.C. Fort Langley Post Records -See Shepard et al. (1987).
1860 Summary of Fort Langley Post Records in Cullen (1979).
1861 Bluebook for the Colony of British Columbia.
1867-1871 Cullen (1979).
Pickled (Exported) 1860-1870 Bluebooks for the Colony of British Columbia.
1871-1877 Tables of the Trade and navigation of the Dominion of Canada for the Fiscal Years ending 30th June, 1871-1878.
Canned 1870 Lyons (1969).

b. "Salted roe", type of fish not specified, assumed to be mainly salmon.

c. "Salmon roe"

d. "Fish roe", type of fish not specified, assumed to be mainly salmon.

NR no record

Table D2. Information on utilization of fresh and smoked salmon in British Columbia during 1877-1887.

Year	Area	Smoked Salmon						Fresh Salmon			
		Recorded Production		"Home Consumption & Exportation"		Price c/lb	Estimated Production lb	Commercial Markets		Personal Use	
		$	lb	$	lb			lb	No.	lb	No.
1877	Juan de Fuca	$600 [a]	-	-	-	0.08 [b]	7,500	-	-	-	-
1878	Johnstone Strait	-	15,041	-	-	-	15,041	-	-	-	-
	Naas River	-	1,700	-	-	-	1,700	-	-	-	-
	Juan de Fuca	$800 [c]	-	-	-	0.08 [d]	10,000	-	-	-	-
1879	Fraser River	-	7,500	-	-	-	7,500	15,000	-	-	-
	Johnstone Strait	-	15,000	-	-	-	15,000	-	-	-	-
	Juan de Fuca etc.	$750 [e]	-	-	-	0.08 [d]	9,375	-	-	-	-
1880	Juan de Fuca etc.	$950 [e]	-	-	-	0.11 [f]	8,636	-	-	-	-
	Fraser River	-	-	-	-	-	-	-	27,678	-	-
1881	Juan de Fuca etc.	$1,450 [e]	-	-	-	0.11 [f]	13,182	-	-	-	-
	Fraser River		-	-	-	-	-	-	153,800	-	-
1882	Juan de Fuca etc.	$1,500 [e]	-	-	-	0.11 [f]	13,636	-	-	-	-
	Fraser River	$130	-	-	-	0.11 [f]	1,182	59,000	-	53,600	-
1883	Fraser River	$500	-	-	-	0.14 [d]	3,571	-	42,700	-	59,500
	Naas River	$915	-	-	-	0.14 [d]	6,536	-	7,974	-	-
	Strait of Georgia	-	-	$54,500 [g]	-	-	389,286	-	-	-	-
1884 [h]	Fraser River	-	15,000	-	2,000 [i]	-	17,000	-	76,356	-	66,700 [j]
	Strait of Georgia	-	-	-	350,000 [g]	-	350,000	-	-	-	30,000 [g]
1885 [h]	Fraser River	-	10,500	-	3,500	-	14,000	-	92,000	-	77,700 [j]
	Strait of Georgia	-	-	-	356,000 [g]	-	356,000	-	-	-	35,000
1886	Fraser River	-	14,200	-	4,500 [k]	-	18,700	409,450	-	90,000 [k]	-
	Juan de Fuca	-	1,000	-	-	-	1,000	42,000	-	-	-
	Strait of Georgia	-	-	-	3,000 [l]	-	3,000	-	-	50,000 [l]	-
	Skeena River	-	-	-	-	-	-	136,500	-	-	-
	North Coast	-	-	-	-	-	-	3,500	-	-	-
	Rivers/Smith Inlets	-	-	-	-	-	-	52,500	-	-	-
	Johnstone Strait	-	-	-	-	-	-	38,500	-	-	-

Table D2. Continued

Year	Area	Smoked Salmon						Fresh Salmon			
		Recorded Production		"Home Consumption & Exportation"		Price c/lb	Estimated Production	Commercial Markets		Personal Use	
		$	lb	$	lb		lb	lb	No.	lb	No.
1887	Fraser River	-	20,600	-	-	-	20,600	1,386,000	-	150,000 [m]	-
		-	-	-	-	-	-	-	-	- [n]	-
	Juan de Fuca	-	8,450	-	-	-	8,450	106,600	-	-	-
	Strait of Georgia	-	-	-	2,000 [o]	-	2,000	-	-	150,000 [o]	-
	Naas River	-	-	-	-	-	-	55,000	-	-	-
	Skeena River	-	-	-	-	-	-	210,000	-	-	-
	North Coast	-	-	-	-	-	-	5,000	-	-	-
	Rivers & Smith Inlet	-	-	-	-	-	-	81,000	-	-	-
	Johnstone Strait	-	-	-	-	-	-	25,000	-	-	-
	West Coast Vancouver Is		-	-	-	-	-	3,000	-	-	-

Footnote quotations are from relevant Ann. Rept. Dept. Mar. Fish. - See Text.

a. "In Victoria and Esquimault " by "Mr. Ingwell and others"

b. Based on 1878-1879 price - See Text.

c. "Per steamers in ice to San Francisco" by " Several parties"

d. Figures published in Annual Reports - See text.

e. By "Various parties in Victoria, Esquimault and other places"

f. Average of 1879 and 1883 prices - See text

g. "Residents of Victoria and Nanaimo and the Coast of British Columbia,
for home consumption and exportation" (quote for 1883, wording for 1884 and 1885 differed slighly)

h. Note: The headings for smoked salmon in the Tables in the 1884 and 1885
Annual Reports erroneously indicate dollar values; the headings should indicate pounds.

i. "Residents above New Westminster, for home consumption"

j. "Residents above New Westminster ... and above Burrard Inlet, for home consumption"

k. "Residents along Fraser River and tributaries, including New Westminster ... at
Vancouver and Port Moody and neighbourhood of Burrard Inlet for home consumption (estimate)"

l. "Residents at Victoria, Nanaimo and on the coast of Vancouver island, for home consumption (estimate)"

m "Consumption by residents on the Fraser River and tributaries not otherwise mentioned (estimated)"

n. "Fish sold by hawkers at Vancouver, Moodyville and Port Moody (estimated)"

o. "Fish sold by hawkers at Victoria, Nanaimo, Cowichan, Comox, Alberni, and other placed
on Vancouver, and on islands in the Strait (estimated)"

Table D3. Value (in dollars) of fish listed as being "sold in markets", "cured for home consumption or "consumed by railroad labourers". From Ann. Rept. Dept. Mar. Fish., 1877-1887.

Year	Sold in Markets	Home Cured	Railway Crew Consumption
1877	32,000		
1878	30,000	2,000	
1879	35,000	2,000	
1880	35,000	2,000	
1881	45,000	2,500	
1882	55,000	3,000	
1883	105,000	6,000	48,000
1884	110,000	8,000	60,000
1885	120,000 [a]		62,000
1886	125,000		70,000
1887			100,000

a. "... not including New Westminster".

Table D4. Product weight/live weight conversion factors used in preparation of the 1933 report on the Fisheries Statistics of Canada.

Product	Factor (lb raw/lb product)
Pickled (wet salted)	1.5
Dry salted	1.25
Mild cured	1.5
Fresh/frozen	1.0
Bait	1.0
Smoked	1.7
Canned [a]	84.0

a. lb raw (round weight)/case

Table D5. Extracts from worksheets used to prepare the 1923 report on Fisheries Statistics of Canada. Salmon data for the Skeena River, Queen Charlotte Islands and Fraser River areas. Establishments given coded names to maintain confidentiality.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Establishment	Caught and Landed (cwt)	Used Fresh (cwt)	I/II	Canned (cases)	I/IV (X100)	Dry Salted (cwt)	I/VI	Mild Cure (cwt)	Pickled (cwt)	Bait (cwt)	Smoked (cwt)	Roe (cwt)	Kippered (cwt)
SKEENA													
SK-1	8,542.80	-	-	10,170	84.00	-	-	-	-	-	-	-	-
SK-2	31,767.12	-	-	37,818	84.00	-	-	-	-	-	-	-	-
SK-3	16,065.28	-	-	18,917	-	140	-	-	-	-	-	-	-
SK-4	33,504.24	-	-	39,886	84.00	-	-	-	-	-	-	-	-
SK-5	29,466.36	-	-	35,079	84.00	-	-	-	-	-	-	-	-
SK-6	15,208.20	-	-	18,105	84.00	-	-	-	-	-	-	-	-
SK-7	47,157.88	-	-	44,007	-	350	-	6,503	-	-	-	-	-
SK-8	17,290.92	-	-	20,138	-	300	-	-	-	-	-	-	-
SK-9	16,355.64	-	-	19,471	84.00	-	-	-	-	-	-	-	-
SK-10	13,630.68	-	-	16,227	84.00	-	-	-	-	-	-	-	-
SK-11	25,769.52	-	-	30,678	84.00	-	-	-	-	-	-	-	-
SK-12	12,304.32	-	-	14,648	84.00	-	-	-	-	-	-	-	-
SK-13	28,323.96	-	-	33,719	84.00	-	-	-	-	-	-	-	-
SK-14	31,199.00	31,121	1.00	-	-	-	-	-	-	78	-	-	-
SUBTOTAL	326,585.92	31,121	-	338,863	-	790	-	6,503	-	78	-	-	-
Schedule II	16,423.00	3,673	-	-	-	-	-	-	-	-	7,500	-	-
TOTAL	343,008.92	34,794	-	338,863	-	790	-	6,503	-	78	7,500	-	-
QUEEN CHARLOTTE ISLANDS													
QCI-1	19,410.76	-	-	17,364	-	3,860	-	-	-	-	-	-	-
QCI-2	9,348.36	-	-	11,129	84.00		-	-	-	-	-	-	-
QCI-3	7,645.00	-	-	-	-	6,116	1.25	-	-	-	-	-	-
QCI-4	2,800.00	-	-	-	-	2,240	1.25	-	-	-	-	-	-
QCI-5	4,500.00	-	-	-	-	3,600	1.25	-	-	-	-	-	-
SUBTOTAL	43,704.12	-	-	28,493	-	15,816	-	-	-	-	-	-	-
Schedule II	680.00	-	-	-	-	-	-	-	-	-	400	-	-
TOTAL	44,384.12	-	-	28,493	-	15,816	-	-	-	-	400	-	-

Table D5. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Establishment	Caught and Landed (cwt)	Used Fresh (cwt)	I/II	Canned (cases)	I/IV (X100)	Dry Salted (cwt)	I/VI	Mild Cure (cwt)	Pickled (cwt)	Bait (cwt)	Smoked (cwt)	Roe (cwt)	Kippered (cwt)
DISTRICT I													
FR-1	10,127.88	-	-	12,057	84.00	-	-	-	-	-	-	-	-
FR-2	8,896.44	-	-	10,591	84.00	-	-	-	-	-	-	-	-
FR-3	28,350.92	-	-	32,263	-	1,000	-	-	-	-	-	-	-
FR-4	6,446.60	2,045	-	5,240	-	-	-	-	-	-	-	-	-
FR-5	9,749.88	-	-	11,607	84.00	-	-	-	-	-	-	-	-
FR-6	3,625.44	-	-	4,316	84.00	-	-	-	-	-	-	-	-
FR-7	9,507.96	-	-	11,319	84.00	-	-	-	-	-	-	-	-
FR-8	10,447.08	-	-	12,437	84.00	-	-	-	-	-	-	-	-
FR-9	12,224.52	-	-	14,553	84.00	-	-	-	-	-	-	-	-
FR-10	32,507.36	-	-	35,604	-	2,080	-	-	-	-	-	-	-
FR-11	63,468.72	-	-	75,558	84.00	-	-	-	-	-	-	-	-
FR-12	6,200.00	-	-	-	-	4,960	1.25	-	-	-	-	199	-
FR-13	3,075.00	-	-	-	-	2,460	1.25	-	-	-	-	-	-
FR-14	2,100.00	-	-	-	-	1,680	1.25	-	-	-	-	-	-
FR-15	2,465.00	-	-	-	-	1,972	1.25	-	-	-	-	60	-
FR-16	2,800.00	-	-	-	-	2,240	1.25	-	-	-	-	-	-
FR-17	7,100.00	-	-	-	-	5,680	1.25	-	-	-	-	-	-
FR-18	3,625.00	-	-	-	-	2,900	1.25	-	-	-	-	100	-
FR-19	1,875.00	-	-	-	-	1,500	1.25	-	-	-	-	-	-
FR-20	6,095.00	-	-	-	-	4,844		-	-	40	-	240	-
FR-21	4,812.50	-	-	-	-	3,850	1.25	-	-	-	-	-	-
FR-22	2,400.00	-	-	-	-	1,920	1.25	-	-	-	-	1,000	-
FR-23	4,345.00	-	-	-	-	3,476	1.25	-	-	-	-	-	-
FR-24	2,000.00	-	-	-	-	1,600	1.25	-	-	-	-	-	-
FR-25	300.00	-	-	-	-	240	1.25	-	-	-	-	-	-
FR-26	58,794.80	52,854	-	-	-	-	-	3,735	-	-	45	-	154

Table D5. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Establishment	Caught and Landed (cwt)	Used Fresh (cwt)	I/II	Canned (cases)	I/IV (X100)	Dry Salted (cwt)	I/VI	Mild Cure (cwt)	Pickled (cwt)	Bait (cwt)	Smoked (cwt)	Roe (cwt)	Kippered (cwt)
DISTRICT I (Continued)													
FR-27	2,015.00	1,565	-	-	-	-	-	300	-	-	-	-	-
FR-28	609.00	609	-	-	-	-	-	-	-	-	-	-	-
FR-29	1,756.00	1,756	-	-	-	-	-	-	-	-	-	-	-
FR-30	34.00	-	-	-	-	-	-	-	-	-	20	-	-
FR-31	480.00	-	-	-	-	-	-	150	170	-	-	-	-
SUBTOTAL	308,234.10	58,829	-	225,545	-	42,402	-	4,185	170	40	65	1,599	-
Schedule II	61,984.00	61,984	-	-	-	-	-	-	-	-	-	-	-
TOTAL	370,218.10	120,813	-	225,545	-	42,402	-	4,185	170	40	65	1,599	-

Table D6. Application of assumed landed weight/product weight conversion factors to published product weight data for 1923 and comparison of results with published figures on green landed weights by area for 1923.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX
	Product Quantity								Estimated Green Landed Weight (GLW)								Est. Total GLW	1923 Ann. Rept.	Diff.
Area	Wet Salt	Dry Salt	Mild Cured	Smoked	Fresh	Canned	Bait	Roe	Wet Salt	Dry Salt	Mild Cured	Smoked	Fresh	Canned	Bait	Roe			
									I X 1.5	II X 1.25	III X 1.5	IV X 1.7	V X 1.0	VI X 0.84	VII X 2.0	VIII X 1.0	Sum Col. IX-XVI		XVII - XVIII
	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cases)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)
FRA	170	42,402	4,185	279	108,002	224,637	20	1,599	255	53,003	6,278	474	108,002	188,695	40	1,599	358,345	357,407	938
SKR	-	790	6,503	-	37,794	338,863	39	-	-	988	9,755	-	37,794	284,645	78	-	333,259	334,974	(1,715)
RIS	-	1,400	-	-	-	127,774	-	-	-	1,750	-	-	-	107,330	-	-	109,080	109,080	-
NAS	-	-	-	-	-	99,580	-	-	-	-	-	-	-	83,647	-	-	83,647	83,647	-
BEK	-	-	1,256	-	-	46,319	-	-	-	-	1,884	-	-	38,908	-	-	40,792	40,792	-
ADL	-	2,340	1,062	-	3,984	234,774	804	-	-	2,925	1,593	-	3,984	197,210	1,608	20	207,320	207,320	-
QCI	-	15,816	-	-	-	28,493	-	-	-	19,770	-	-	-	23,934	-	-	43,704	43,701	3
CAT	226	-	-	-	5,685	-	-	-	339	-	-	-	5,685	-	-	-	6,024	6,024	-
TAP	336	-	1,618	-	7,200	34,233	-	-	504	-	2,427	-	7,200	28,756	-	-	38,887	38,887	-
WRS	-	28,990	-	-	38,165	47,757	1,532	-	-	36,238	-	-	38,165	40,116	3,064	-	117,582	117,582	-
SCR	-	-	-	94	1,310	29,045	-	-	-	-	-	160	1,310	24,398	-	-	25,868	25,868	-
CRQ	-	-	-	-	1,435	27,486	-	-	-	-	-	-	1,435	23,088	-	-	24,523	24,523	-
BQO	-	-	-	-	320	14,364	-	-	-	-	-	-	320	12,066	-	-	12,386	12,311	75
OYA	-	-	-	-	8,091	22,253	-	-	-	-	-	-	8,091	18,693	-	-	26,784	26,784	-
ARC	-	6,088	-	-	7,630	66,099	5	-	-	7,610	-	-	7,630	55,523	10	-	70,773	70,778	(5)
BUG	-	5,290	-	-	8,471	-	-	-	-	6,613	-	-	8,471	-	-	-	15,084	15,084	(1)
OTAL																	1,514,057	1,514,762	(705)

Key to Areas: FRA: Dist. I (Fraser River). SKR: Skeena River. RIS: Rivers & Smith Inlets. NAS: Naas River. BEK: Bella Coola & Kimsquit. ADL: Addenbrooke Is. to Lowe Inlet. QCI: Queen Charlotte Is. CAT: Cape Scott to Tatchu Pt. TAP: Tatchu Pt. to Wreck Bay. WRS: Wreck Bay to San Juan Hbr. SCR: San Juan Hbr. to Crofton. CRQ: Crofton to Big Qualicum River. BQO: Big Qualicum River to Oyster River. OYA: Oyster River to Adams River. ARC: Adams River to Cape Scott. BUG: Bute Inlet to Gower Pt.

Table D7. Comparison of computed and published estimates of green landed weight for salmon caught in British Columbia during 1910-1932.

Year	Number of Stat. Areas		Published Total Catch (cwt)	Computed Total Catch (cwt)	Difference[a]	
	Total	Number Where Data Agreed			cwt	Percentage
1910	15	0	937,827	930,285	7,542	0.81
1911	15	3	1,103,666	1,124,212	(20,546)	(1.83) [b]
1912	15	7	1,221,056	1,219,336	1,720	0.14
1913	15	14	1,509,354	1,502,053	7,301	0.49
1914	15	15	1,369,740	1,369,742	(2)	(0.00)
1915	16	16	1,366,465	1,366,468	(3)	(0.00)
1916	17	14	1,196,432	1,196,434	(2)	(0.00)
1917	17	17	1,601,520	1,601,519	1	0.00
1918	16	0	1,493,502	1,646,042	(152,540)	(9.27)
1919	16	2	1,668,353	1,644,040	24,313	1.48
1920	16	13	1,262,864	1,256,924	5,940	0.47
1921	17	13	842,026	841,992	34	0.00
1922	17	10	1,509,075	1,505,607	3,468	0.23
1923	16	13	1,514,765	1,512,459	2,306	0.15
1924	16	12	1,965,159	1,965,881	(722)	(0.04)
1925	16	11	1,873,376	1,863,889	9,487	0.51
1926	16	11	2,125,555	2,124,635	920	0.04
1927	13	16	1,490,395	1,489,900	495	0.03
1928	33	26	2,257,455	2,224,924	32,531	1.46
1929	34	28	1,514,038	1,512,562	1,476	0.10
1930	23	16	2,296,213	2,303,259	(7,046)	(0.31)
1931	22	20	1,287,041	1,288,569	(1,528)	(0.12)
1932	23	20	1,291,487	1,270,114	21,373	1.68

a. Bracket indicates negative difference.

b. Conversion factor for dried fish assumed to be 1.5.

Table D8. Summary of product weights and factors used to convert canned packs and products to green landed weight (GLW).

Product	Original Unit (Product Weight)	Conversion	Equivalent GLW	
		Factor	(lb)	(kg)
Canned	Box, 1871 (48 lb)	1.75	84	38.10
	Case, before 1874 (100 lb)	1.75	175	79.38
	Case, 1874-1938 (48 lb)	1.75	84	38.10
	Case, 1939-1944 (48 lb)	1.67	80	36.29
	Case, since 1944 (48 lb)	1.56	75	34.02
Pickled	HBC Hogshead, 1835 only (250 lb)	1.50	375	170.10
	HBC Tierce, 1828-1835 (360 lb)	1.50	540	244.94
	HBC Barrel, 1830-1871 (180 lb)	1.50	270	122.47
	DMF Barrel, 1861 onward (200 lb)	1.50	300	136.08
	DMF Package (200 lb)	1.50	300	136.08
	DMF 1/2 Barrel (100 lb)	1.50	150	68.04
	DMF kit (50 lb)	1.50	75	34.02
	DMF Pound	1.50	1.5	0.6804
Mild Cured	Tierce, 1906-1907 (750 lb)	1.50	1125	510.29
	Tierce, 1908-1909 (760 lb)	1.50	1140	517.09
	Tierce, since 1909 (800 lb)	1.50	1200	544.31
	Pound	1.50	1.5	0.6804
Dry Salted	Pound	1.25	1.25	0.5670
Smoked	Pound	1.70	1.7	0.7711
Fresh/Frozen	Pound	1.00	1.0	0.4536
Bait	Pound	1.00	1.0	0.4536

APPENDIX E

ESTIMATION OF SPECIES COMPOSITION FOR THE CANNED PACK AND OTHER PRODUCTS

TABLE OF CONTENTS FOR APPENDIX E

Page

1. INTRODUCTION 385

2. CANNED PACK 385
    2.1. Canned Pack Species Composition Before 1901 385
        2.1.1. Fraser River 386
            2.1.1.1. Chinook versus sockeye, the early years, 1870-1900 386
            2.1.1.2. Species breakdowns, 1870-1898 389
            2.1.1.3. Species breakdowns, 1899-1900 390
        2.1.2. Nass River 391
        2.1.3. Skeena River 392
        2.1.4. Rivers and Smith Inlets 393
        2.1.5. Other Areas 393
    2.2. Canned Pack Species Composition after 1901 393
        2.2.1. 1901-1903 394
        2.2.2. 1904-1929 394
        2.2.3. 1930-1944 396
        2.2.4. 1945-1950 396

3. PRODUCTS OTHER THAN CANNED SALMON 396
    3.1. Other Products Species Composition, 1923-1930 397
        3.1.1. The special case for fresh salmon prepared by fishermen 398
    3.2. Approach for Other Products before 1923 399
        3.2.1. Dry salted salmon 399
        3.2.2. Pickled salmon 400
        3.2.3. Fresh/frozen salmon 402
            3.2.3.1. Fresh frozen salmon prepared by fishermen 402
            3.2.3.2. Fresh/frozen salmon prepared by companies 402
        3.2.4. Smoked salmon 403
        3.2.5. Mild cured salmon 403
        3.2.6. Salmon used as bait 404
    3.3. Species Composition for Non-canned Products, 1931-1944 404

4. SUMMARY 404

LIST OF APPENDIX E FIGURES

Figure **Page**

E1. Species composition of fresh/frozen salmon prepared by companies and fishermen, 1927 to 1930 averages. 406

LIST OF APPENDIX E TABLES

Table **Page**

E1. Estimation of landed weights of salmon canned on the Fraser River during 1870-1900. 407

E2. Estimation of the percentage contribution of sockeye, chinook and coho to the landed weights of canned.salmon packs prior to 1904. 408

E3. List of B.C. canneries and operating periods (to 1930) as given by Cobb (1930), for "Outlying Districts", and "Vancouver Island" districts. 410

E4. List of B.C. canneries and operating periods (to 1930) as given by Lyons (1969), for canneries in "Outlying Districts", and "Vancouver Island" districts. 412

E5. Percentage species composition of products for the Queen Charlotte Islands, 1888-1930. 415

E6. Percentage species composition of products for the Nass River, 1878-1930. 416

E7. Percentage species composition of products for the Skeena River, 1877-1930. 418

E8. Percentage species composition of products for the North Coast, 1883-1930. 420

E9. Percentage species composition of products for Rivers and Smith Inlet, 1882-1930. 421

E10. Percentage species composition of products for Johnstone Strait, 1878-1930. 422

E11. Percentage species composition of products for Strait of Georgia, 1883-1930. 424

E12. Percentage species composition of products for Juan de Fuca Strait, 1877-1930. 424

E13. Percentage species composition of products for the West Coast of Vancouver Island, 1887-1930. 427

E14. Percentage species composition of products for the Fraser River, 1876-1930. 428

E15. Amounts (cwt) of fresh/frozen salmon and steelhead prepared by fishermen (recorded on Schedule IIs) and companies (recorded on Supplemental Schedules) for those areas where fishermen were reported to have prepared fresh/frozen salmon. 430

E16. Working table showing the fresh salmon prepared by fishermen operating in DBS area Separation Point to Nanaimo in 1929. 431

E17. First page of Schedule II for DBS area Separation Point to Nanaimo. 432

E18. Species composition for fresh/frozen salmon and steelhead prepared by fishermen, 1927-1930. 433

E19. Percentage species composition of products prepared by fishing companies between 1923 and 1930. Product amounts (in cwt) are sums of annual values. 434

E20. Percentage species composition of pickled and fresh/frozen salmon prepared by fishing companies prior to 1910. 436

E21. Percentage species composition of products for the Fraser River, 1930-1944. 437

E22. Species composition for fresh-frozen salmon prepared by fishermen, 1945-1947. 438

E23. Average species composition for fresh/frozen salmon and steelhead prepared by fishermen. 439

E24. Assignment of canneries to catch areas. 440

ESTIMATION OF SPECIES COMPOSITION FOR THE CANNED PACK AND OTHER PRODUCTS

1. INTRODUCTION

The objective of this Appendix is to detail the methods that we used to apportion landed weights among species on a product by product and area by area basis. These procedures differed somewhat between canned packs and other products, and between areas and time periods.

Prior to 1951 estimates of landed weights of salmon and steelhead were derived mainly from published and unpublished Department of Marine and Fisheries (DMF) and Dominion Bureau of Statistics (DBS) data on quantities of various products and canned packs processed at locations throughout the Province. Appendix D details the procedures we used to estimate the landed weight of salmon and steelhead from data on the processed quantities.

The next step in the analysis was to determine species composition of the canned packs and other products. For all products prior to 1900, and for products other than canned thereafter, published reports fail to provide a species breakdown. Data on the species composition are available for canned packs after 1900 (1899 for Fraser River), but only for five of the ten major geographical areas used in this report, and for other products in all areas but not starting until 1923.

The sections below explain which species compositions were used to arrive at our final output - annual green landed weight (GLW) by area and species from 1828 to 1950. Readers may skip to annual species compositions, by area and product, that were used to generate GLW by species in text tables by going directly to Table E2 for the canned pack, and to Tables E5 to E14, Table E21 and Table E22 for other products.

2. CANNED PACK

2.1. Canned Pack Species Composition Before 1901

The canned salmon industry began with a small-scale operation on the Sacramento River in California in 1864 (Cobb 1930), spreading to the Columbia River in 1866 and, on a commercial scale, to the Fraser River in 1870. The early Sacramento and Columbia River packs were composed almost entirely of large red chinook salmon. Although it is likely that from an early stage in its development, the British Columbia canning industry depended mainly on sockeye (see below), the early canners made no distinction between species; the product was canned simply as salmon. In the late 1890s, increasing numbers of lower quality pinks and chums began to enter the market, creating a need to distinguish the more desirable sockeye from the lower quality species. As a consequence, beginning in 1898, the canning industry began to label its principal export product under the name "sockeye".

In the following paragraphs, estimates of species composition are developed for the canned pack for each of the ten major areas of this report.

2.1.1. Fraser River

Since there is considerable historical material on the early Fraser fishery and the species composition of its canned packs, we treated development of Fraser River species compositions for this report in considerably more detail, including illustrative tabulations, than we did for our remaining areas.

2.1.1.1. Chinook versus sockeye, the early years, 1870-1900

There is some uncertainty regarding the species composition of the salmon first used for canning on the Fraser River in the early 1870s. It is believed that sockeye was the principal species used in the Hudson's Bay Company pickled fish trade that had preceded the development of the canning industry (see Appendix E, Section 3.2.2 on the species composition of pickled product). As discussed below, several observers (e.g. Cobb 1930, Anderson 1877) were of the opinion that sockeye were also of prime importance in the early development of canning.

On the other hand, Lyons (1969) claims that, in the early years of the fishery, chinook ("spring") salmon were important both for canning and pickling. She noted that:

> *Alexander Loggie & Company did not concern itself with sockeye the first few seasons ... the pioneer canners concentrated on spring salmon. ... The white and pink spring salmon, then considered unsuitable for canning would be used in salting ... It is recorded that in the year 1873 four thousand barrels of this product were shipped from the Fraser River.*

Later in her narrative, she stated that:

> *... during their first seven seasons the Fraser River operators ... had packed red spring* [but that 1877 was the] *first season the Fraser River canned salmon pack consisted principally of sockeye; the reason being that 1877 was a `big year', when both the Quesnel and Adams River runs came back in big numbers.*

Later in her narrative describing the 1878 fishing season, in a sub-section labelled "Sockeye Wins a Place", she noted that:

> *Since the canners on the Fraser started business two `Second Years'* (presumably years immediately following the dominant cycle years) *had gone by with scant attention from them as they busily put up red spring. Now these operators were enthusiastic over Sockeye, which would soon become the principal species of their pack. ...* [In 1878] *the Fraser production was practically all sockeye ...*

Unfortunately, Lyons did not cite the source documents on which she based her descriptions, and the authors have been unable to find independent information to support her conclusions.

Lyon's assessments do not accord with the observations recorded in DMF reports in the mid-1870s. These reports suggest that, at least by the1874 fishing season, sockeye predominated in the Fraser harvests. Thus, in Supplement No.5 to the DMF Annual Report, Alex. C.

Anderson, who would later become the Dominion Government's first Inspector of Fisheries in British Columbia, noted that:

> *Several varieties of the salmon resort to* [the] *Fraser River; but of these the chief are:*
>
> 1. *The Saw-quae or Kase.*
> 2. *The Suck-Kai or Talo.*
>
> *Of these varieties the first is, perhaps, in no any respect inferior to the noble fish that form the staple product of the Columbia River. The second on the other hand, is both of size and quality, far less attractive. Of the first appearing the earlier in the season, a proportion of the fishery yield is composed; but the run of these superior fish is short, and the catch consequently limited. It is the second and inferior variety that affords the main supply.* (underlining added by the authors).

Anderson's observations would seem to indicate that the switchover to sockeye (at least by 1874) had occurred significantly earlier than indicated by Lyons.

In his first report as Inspector of Fisheries, covering the 1876 fishing season, (DMF Annual Report for 1876)[1], Anderson reiterated the foregoing picture of the species composition of the Fraser salmon harvest. In the report, he noted that, in contrast to the earlier running chinook, the

> ... *suck-kai* (sockeye) [were a] *smaller and not so rich fish* (with a weight of about 8 lb). [and were] *the staple product of the Fraser fishery.*

As noted above, this conflicts with Lyon's conclusion that 1877 was the

> *...first season the Fraser River canned salmon pack consisted principally of sockeye.*

In his report for the next year (1877), Anderson provided estimates of the proportion of different species that comprised the harvest. In describing "the ... proportion of yield relatively to the whole catch" (presumably including fish processed by all methods), he observed that there were four runs of salmon. The first run was composed of "large salmon (Saw-quai)" and was reported to occur around March 15. The previous year's report described the "earliest shoal entering the Fraser River" as being composed of large fish exceeding 50 lb which were called "Kase" by interior tribes and "saw-quai" by the lower coast tribes. According to the account, the

> ... *'saw-quai' ... does not obviously differ significantly from the large spring salmon of the Columbia River (s. quinnatt eqanett chinook)....*

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[1] The DMF report was for the fiscal year ended June 30, 1876. However, Anderson's report was dated January 10, 1877 and clearly covered the entire 1876 season. For example, export figures cited by Anderson were for "1st January to 31st December, 1876".

Anderson estimated that this early run, clearly made up of "saw-quai" or chinooks, comprised 10% of the harvest.

The next run, he called "large salmon (suck-kai)", undoubtedly sockeye (see above), were reported to have occurred in the first week of July, continuing for about 30 days, and to have provided 50% of the harvest. The third run of "large salmon", occurring in the second week of August, comprised a further 20% of the catch. Based on timing, we presume these also were sockeye. The final and fourth run (accounting for the remaining 20% of the catch), occurring during the first week of September and extending into October, was described as being composed of "cohnes", probably coho. The Report went on to mention that there were:

> *... subsequent runs ... of inferior varieties, which spawn in the lower streams, and are not useful for canning and curing for mercantile purposes ...*(more than likely pink and chum salmon)

Anderson's appraisal would indicate that about 70% of the 1877 Fraser salmon production (presumably of all products) comprised sockeye with the remainder comprising early running chinook (10%) and late running coho (20%).

Support for Anderson's conclusions that sockeye predominated in the catch prior to 1877 is provided by a later analysis by United States scientists, George A. Rounsefell and George B. Kelez, reconstructing harvest information for the early years of the salmon fisheries in the Puget Sound and Fraser River areas (Rounsefell and Kelez 1938). Their paper was concerned mainly with the production of canned sockeye salmon. They observed that:

> ...[in] *the early years the published reports of the packs are not segregated according to species.*

Nevertheless they did make estimates of the portion of the packs comprising sockeye. In this regard, they stated that:

> *... for these* [early] *years we have made use of very extensive and careful notes kept by Henry Doyle of Vancouver. In addition, original records of various operators have been available.*

For 1873, the first year for which Rounsefell and Kelez presented data, Shepard and Argue (1989) estimated the product weight of the total pack to be 436,800 lb.[2] For the same year, Rounsefell and Kelez estimated the pack of sockeye alone to be 8,125 cases. Rounsefell and Kelez used 48 lb as the product weight of a case of salmon. Using this figure, the product weight of the 1873 sockeye pack would have been 390,000 lb., or 89% of the estimated weight of the total pack, supporting Anderson's view that, in the mid-1870s, sockeye were "the staple product of the Fraser fishery".

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[2] The DMF Annual Report for 1873 recorded 195 tons of product. Shepard and Argue's analyses indicated that the unit of measurement at the time was the long ton equivalent to 2,240 lb. The total estimated product weight was therefore 195 X 2,240 = 436,800 lb.

Nevertheless, Lyon's contention that chinook was the pre-eminent species when the canning industry began around 1870 cannot be discounted completely. It is likely that her conclusion was basically correct but that her account was in error in respect of the actual time when the fishery switched its emphasis from red chinooks to sockeye. As outlined below, for analytical purposes, the present paper assumes that in 1870 the harvest was principally of red chinook, however between then and 1873 there was transition to sockeye.

2.1.1.2. Species breakdowns, 1870-1898

In this section we draw on a number of varied sources to estimate the species composition of the Fraser River canned pack prior to 1899. The available historical information was scanty and at times confusing which makes our procedures somewhat complicated to follow.

For 1870 through 1875, Shepard and Argue extracted data on total weights of canned product from DMF Annual Reports. These data are summarised in column VII of Table 5 in the main report. Shepard and Argue's data are converted to estimated landed weights in tonnes in column XIV of Table E1 by applying a conversion factor of 1.75 lb of raw product to 1 lb of processed product (see Section 4 in Appendix D). For the remaining years, 1876-1900, estimated landed weights of canned product were calculated on the same basis, i.e., that one case of canned salmon required 84 lb of landed catch.

It was then necessary to break these aggregate annual totals into species. As outlined in the preceding section, for these early years, this process was uncertain and conclusions drawn must be considered tentative.

Following Lyon's contentions, it is assumed that the first commercial canning operations on the Fraser River around 1870 depended mainly (say 80%) on large red chinook salmon. Sockeye and coho may also have been included (say 10% each). As outlined in the section above, on the basis of Rounsefell and Kelez' study, sockeye was the predominant species in 1873, accounting for 89% of the production (Table E1).

On this basis, for 1871 and 1872, it was assumed that there was a transition from chinook to sockeye as the principal target species. As outlined above, it was assumed that the proportion of chinook in the catch in 1870 was 80% chinook and 10% each of sockeye and coho and that in 1873, 310 tonnes of the total catch of 347 tonnes (slightly less than 90%) comprised sockeye. On this basis, on a straight-line progression in proportional sockeye usage, it was assumed that the proportion of sockeye increased from 10% in 1870 to 37% in 1871 and 63% in 1872. On a reciprocal basis, because the chinook catch dropped from 80% in 1870 to around 6% in 1873, it was assumed that usage of chinook salmon in 1871 amounted to 55%, and 30% in 1872. It was assumed that the residual proportions of each year's usage were composed of coho (8% in 1871 and 7% in 1872). These values were used to compute the quantities of sockeye, chinook and coho utilised for canning in 1871 and 1872 (Part A of Table E2).

For 1873 and 1876-1900, Column I of Table E1 lists annual DMF figures for the total number of cases of salmon of all species that were canned. Column II lists Rounsefell and Kelez' estimates of the numbers of cases of sockeye. Column IV lists the difference between these figures. The differences were assumed to represent quantities of salmon species other than sockeye that were canned (1873 species composition in Part A of Table E2).

As can be seen from the Table, the abundance of Fraser River sockeye fluctuate strongly with large runs and associated large harvests occurring in the four-year cycle 1877, 1881-1885 ... 1897 (figures for those years shown in italics), reflecting the famous cyclic dominance of the Fraser sockeye runs. As reflected in Table E1, in the big cycle years in the 1870s and 1880s, Rounsefell and Kelez assumed that the entire Canadian Fraser River pack was composed of sockeye. In the intervening years, DMF total pack figures exceeded Rounsefell and Kelez estimates of sockeye-only packs, presumably reflecting the contribution of other species.

The foregoing procedure for estimating sockeye and non-sockeye packs was used for 1873 and for 1876-1900. As outlined above, Rounsefell and Kelez did not estimate the magnitude of the sockeye pack for 1874 and 1875. Lacking such estimates we assumed that the proportions of sockeye in 1874 and 1875 (Part A of Table E2) were the same as they were during the next four year cycle of the Fraser runs, i.e., the proportion of sockeye in 1874 was assumed to be the same as was estimated in Table E1 for 1878 (95.2%). Similarly, the proportion ascribed to 1875 was based on the estimated proportion for 1879 (99.0%). These proportions were applied to our estimates of total pack in Column XIV to arrive at the estimates of the sockeye pack for 1874 and 1875 listed in Column IX of Table E1

As is outlined below, neither pink or chum salmon were canned before 1899. For the 1873 to 1898 period, therefore, the non-sockeye packs were allocated only between the remaining two species of salmon, chinook and coho. Lacking specific data on packs of these two species, we examined data for species breakdowns of packs for 1901-1903, the first years for which published record of species composition were available (Part B of Table E2). The data indicate that, for 1901-1903, coho formed between 92.7 and 95.1% of the combined chinook and coho pack, averaging 94.3%. Chinook comprised between 4.9 and 7.3%, averaging 5.7%. These average percentage compositions were applied to the non-sockeye pack during 1873 through 1898.

2.1.1.3. Species breakdowns, 1899-1900

With respect to pink and chum salmon, the DMF Annual Report for 1900 (describing the 1899 fishing season), notes that:

> *... the humpback and dog salmon have only recently come into use as a commercial product, this being the first season in which they have been canned in the Province...*

In 1989, it was reported that 7,850 cases of the two species had been canned. In the absence of information on which to base an allocation of these 7,850 cases to species we have assumed a 50:50 split. For 1900 the DMF Annual Report provided separate data for each of the five species for the Fraser River.[3] These data, converted to landed weight, are included on the last two rows of Columns X and XI of Table E1. Estimated quantities of sockeye packed were added to the above mentioned quantities of pink and chum and the subtotal subtracted from the total packs to provide estimates of the combined packs of the remaining two species, chinook and coho. These quantities were then divided between the two species as described in the preceding section, i.e., 94.3% coho and 5.7% chinook.

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[3] In the 1870's, a few pinks may also have been canned. As an example, the report of the Commissioner of Fisheries in the DMF Annual Report for 1878 notes that pink salmon ("Stum-maun"), ... *is not valued for curing; though some were, I have understood, canned at the Skeena fisheries during the past season,*

2.1.2. Nass River

The Report of the Dominion Inspector of Fisheries in the 1878 DMF Annual Report noted that a Mr. Robertson had started a fishing operation involving 6 boats on the Nass River. Production in that year was recorded as being 41 barrels of salted salmon and 1,700 pounds of smoked salmon. Canning began on a commercial scale in 1881 with a pack of 7,700 cases.

It is likely that the first pack was a mix of species, but probably did not include pinks and chums to any extent. The Inspector's Report notes there were four "runs" of salmon to the Nass; the first, from about April 20 to June 10, consisted of large fish (27-48 lb), in the words of the Inspector:

> *...corresponding apparently with the Saw-quai of the Fraser River...* (obviously chinook salmon); [the second run] ... *about 20th June; 7-12 lbs ...* [corresponding] *apparently with the Suck-Kai* (sockeye) *of the Fraser River...*; [and the third], ... *about 20th August to the end of September; about 15 lbs* [corresponding] *apparently with the Co hues* (probably coho) *of Fraser River.* [The fourth run] *of ... a fine silver salmon of from 10 to 12 lb...* (species unknown, but perhaps also coho, succeeded the third run for a short interval).

The Annual Report also notes that the hook-nosed salmon (termed "s. canis" - probably chum salmon) and Stum-maun salmon (equivalent to Hun-nun or Hone - pink salmon on the lower Fraser) occurred in the late autumn but were "of no commercial value". The DMF Annual Report for 1881 notes that there was also a very late run of

> *... the large sea trout, locally known as the La-alh...* (probably steelhead); [which] *if procurable in sufficient abundance would be valuable for market purposes.*

The same report notes that the

> *... operations of the canneries ... are confined to the earlier runs; the later varieties prized by the natives for drying, are valueless for canning, the whiteness of the flesh and comparative dryness disqualifying them for the market.*

In estimating the productive capacity of the system, the Inspector stated that:

> *In ordinary years it is capable of yielding about 25,000 cases out of the summer runs, ceasing early in August.*

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injudiciously, I think, if intended for market. In the main, however, it is assumed that utilisation of pinks and chums for canning did not begin until 1899.

From the foregoing, it is concluded that the early canning operations on the Naas were limited to chinook, sockeye and coho. Because the fishing operations closed down in early August, a substantial portion of the coho run would have been missed. Nevertheless, coho were in demand. The Inspector's Report for 1887 noted that with respect to the northern rivers (including the Nass),

> *...the increase in pack ... may be partly accounted for by the extraordinary efforts made by canners to secure all the fish they could, while prices were high; in consequence of which a greater proportion of cohoes were caught and canned than during former years.*

To estimate the species composition of the pack from 1881 through 1900, canned pack data for 1901-1903 were examined (Part B of Table E2). Available reports do not indicate the timing of the fishery in those years, but the records indicate that there were no pink or chum catches. Thus, during the first three years, fisheries targeting specifically on pink salmon had not developed on the Nass. The proportion of coho in the catch rose significantly once the pink salmon fishery reached a substantial scale (from around 9% in 1904 and 1905, to 13-20% during 1906-1912; see Table 8 in the main report). The packs of coho in all years following 1905 were significantly higher than during 1901-1903. However, the proportion of coho was also high in 1903, due mainly to the fact that the catch of sockeye, the main target species of the Nass fishery, was very low in that year. The increasing coho catches very probably reflect the lengthening of the fishing season, a lengthening directly due to the acceptance of pinks for canning. At the same time, the proportion of chinook salmon dropped once pink salmon fishing began (from 10-12% in 1903-1905 to 2-10% in the remaining years). The decreasing proportion of chinook undoubtedly reflects the relatively larger catches of sockeye in the latter part of the decade, and the growth of the pink and coho fishery.

It is concluded that, on the Nass, fishing patterns during 1901-1903, i.e. before intensive fisheries for pinks and late coho got underway, were more similar to those in the pre-1901 period than were the patterns in 1904-1912. Therefore, the relative proportions of sockeye, coho and chinook existing during 1901-1903 (sockeye 80.6%, coho 11.3% and chinook 8.1% were used to estimate the species composition of the packs during 1881-1900.

2.1.3. Skeena River

Data providing species breakdowns of the salmon pack on the Skeena River are available only from 1901 whereas total pack figures go back to 1877. As outlined above, the canning of pinks and chum in British Columbia did not begin in a significant way until 1899, and then most likely only on the Fraser. Thus, it was assumed that the Skeena River pack prior to 1901 was limited to sockeye, coho and chinook salmon. Unlike the Nass, there was a significant fishery for pink salmon on the Skeena River by 1901 (Table 9 in the main report). However, during the first decade of the century pink packs varied greatly from year to year, probably reflecting changes in prices and markets. It is noteworthy that the proportion of chinooks in the pack declined markedly in the latter half of the decade (from 12-18% during 1903-1905 to 4-9% during 1906-1910). As in the case of the Nass, we believe that fishing patterns at the beginning of the first decade of the 20th Century were more similar to those existing during the closing years of the 19th Century than those existing around 1910. Therefore, as a basis for dividing the pre-1901 catch among sockeye, chinook and coho, the average percentages that each of these species formed of the total pack during 1901-1903 was used (75.1% for sockeye, 7.0% for coho and 18.0% for chinook, see Part B of Table E2).

2.1.4. Rivers and Smith Inlets

During the first few years of the Twentieth Century (1901-1903) a very high proportion of the Rivers and Smith Inlets pack was composed of sockeye (over 96.6%). Following the same procedure as used on the Naas and Skeena systems, average proportions for 1901-1903 (Part B of Table E2) were used to compute the proportions of sockeye, chinook and coho in the 1882-1900 packs.

2.1.5. Other Areas

Canned packs for other areas were recorded either by enterprise or under the heading "Outlying Districts". Packs for Outlying Districts included those from the canneries at Alert Bay (starting in 1881), Lowe Inlet, Gardiner Canal and Bute Inlet (all three starting in 1895), Namu (1893), Clayoquot (1895) and Nootka Sound (1896). With the use of information provided by Cobb (1930) and Lyons (1969), the locations of canneries were inferred from their company names (see below). Following procedures for other areas described above, species compositions were estimated from the 1901-1903 packs. Part B of Table E2 presents such estimates for North Coast, Johnstone Strait and West Coast of Vancouver Island areas.

2.2. Canned Pack Species Composition after 1901

DMF Annual Reports for1901 to 1909, Annual Reports of the Fisheries Commissioner for British Columbia for 1902, 1903, 1906-1911, 1913-1923 and 1925-1929, and Pacific Fisherman Yearbooks for 1901-1929 provide information on the species composition of canned salmon packs by individual canneries throughout British Columbia. In general, these data aggregated by area were used as samples on which to base an apportionment among species of published DMF/DBS figures for total canned pack by area. Tables in the main text showing the canned pack by area give the ratio of the species composition sample to the total pack ("Sample/Total" in the tables).

We could not have completed the assignment of canneries to fishing areas without the publications by Cobb (1930) and Lyons (1969). These authors wrote at length about locations and operating periods of individual canneries, and described changes to company names as a result of mergers, take-overs and relocations. From these data it was possible to determine the location of most of the canneries that were listed under the headings "Outlying Districts" and "Vancouver Island District" in the Fisheries Commissioner of BC (FCBC) and Pacific Fisherman Yearbooks (PFY) sources. Tables E3 and E4 present the data from Cobb and Lyons respectively for individual canneries in these two districts. The Cannery Database in Table E24 at the end of this Appendix lists by year and area all the canneries from which canned pack data by species were obtained, for this report. During the 1901 to 1929 period, the available data varied somewhat from year to year. Procedures for arriving at species compositions in different years are outlined below.

2.2.1. 1901-1903

As described above, from 1901 to 1903, information on species composition of the total pack was taken directly from DMF published reports. However, there were some discrepancies in the data. For example in 1903 on the Fraser there was a difference of 70 cases between the sum of published totals by species (237,162 cases) and the sum of individual cannery values by species (237,092). This discrepancy may have arisen because data had been omitted by mistake, or because late returns had been added to the total, but not to the entries for each cannery. We used the value 237,162 in the DMF summary table of production as our measure of total canned pack. Since we used the individual cannery data to construct species compositions, and the sum of these data was 70 cases less than the published total, then it follows that our totals by species would be slightly different from the published totals by species.

There were other minor inconsistencies in the 1901-1903 data. The DMF summary table for 1903 omitted the pack by Pacific Northern Packing Company from the Nass River total. In the present report the Pacific Northern pack has been included under Nass River because the cannery was located in Observatory Inlet, which is part of the Nass area. In the DMF listings, the packs from Smith Inlet canneries were recorded under North Coast; Smith Inlet packs were switched to the Rivers and Smith Inlets area in this report. Finally, a correction was made because the Rivers Inlet and Skeena River packs were reversed in the 1903 DMF summary table.

2.2.2. 1904-1929

After 1903, the most detailed pack data were available from FCBC Annual Reports and from Pacific Fisherman Yearbooks. In general, the FCBC reports were used to establish species compositions. However, provincial reports for 1904, 1905, 1912 and 1924 were not available to the authors and for these years data from Pacific Fisherman were used instead. Both sources reported data furnished by the B.C. Salmon Canners Association.

FCBC and PFY data were not as straightforward to use as pre-1904 DMF data since the number of districts under which packs were listed was limited initially to five: Fraser River, Skeena River, Rivers Inlet, Nass River and Outlying Districts. Outlying Districts included the Queen Charlotte Islands, North Coast, Johnstone Strait, Strait of Georgia, Juan de Fuca Strait and West Coast of Vancouver Island areas of this report. In 1916, Vancouver Island District was added to the FCBC and PFY reports, but this still contained parts of four of the areas from this report (Johnstone Strait area was included in both districts). In 1924, Queen Charlotte Islands District was added to FCBC and PFY reports.

The determination of locations of canneries for the 1904-1929 period was a difficult task. As outlined in Section 2.1.5 of this appendix, for the Outlying and Vancouver Island districts we relied on information provided by Cobb (1930) and Lyons (1969). Close study of the reports of these two authors indicated that the DMF reports for the period contained a number of discrepancies. In order to use the DMF total canned packs, these discrepancies had to be corrected. For example, the pack of steelhead on the Nass was omitted from the total pack in the 1907 DMF report; and in the 1904 DMF Annual Report, the pack from Pidcock Brothers was omitted from the Johnstone Strait total. These omissions were corrected. Also, between

1907 and 1911, it was necessary to switch the packs for R.E. Gosse, Knight Inlet Canning Company and A.B.C. Packing Company to Johnstone Strait from DMF's Mainland district, which was in our Strait of Georgia area, since in those years DMFs Mainland district (sometimes called West Coast Mainland in DMF reports) included the mainland inlets of Johnstone Strait as well as the mainland inlets of the Strait of Georgia.

The pack from M. DesBrisay and Company's cannery on Wales Island at the entrance to Portland Inlet was recorded under DMF's North Coast district between 1911 and 1914; thereafter packs from canneries on Wales Island were recorded under the Nass River district. In this report the Wales Island packs have been recorded under the Nass River area, since this was consistent with the location of the cannery.

There were also some minor inconsistencies in the FCBC data. For instance, after 1907 FCBC reports listed the pack of sockeye put up by J.S. Todd & Sons at Esquimalt under the Fraser River district as "J.S. Todd & Sons (Esquimalt)". Presumably this was an attempt to consolidate the reporting of catches of sockeye bound for the Fraser River and caught in fisheries around southern Vancouver Island. The same was done for Capital Canning Company in 1909, a short-lived Victoria firm, and for four more firms in 1919 (Quathiaski Canning Co., Gulf Island Fishing and Canning Co., Sydney Canning Co., Sooke Harbour Fishing and Packing Co.). In the present report the full packs from these canneries were recorded in the cannery database under the areas in which the canneries were located, i.e. Juan de Fuca Strait, Strait of Georgia, and Johnstone Strait, since presumably these were the areas where landings (and catches) were made.

Between 1920 and 1923, the pack for the cannery of Northern B.C. Fisheries Ltd. in Namu (later called the Gosse-Millerd Company Ltd.) was listed under Rivers Inlet district in FCBC and PFY reports, whereas in DMF reports this company's pack was recorded under North Coast. We included the Northern B.C. Fisheries pack under the North Coast area in Table E24, since this was consistent with the location of the cannery.

A problem that plagued us throughout this analysis was that FCBC and PFY reported statistics for all canneries of a particular company in a district only once, under the company name. Thus the reported pack might represent the combined packs from several canneries, albeit part of the same company, each of which was at a different location in the reporting district. This was a problem with packs from the Outlying and Vancouver Island reporting districts since these districts included several of our areas. This problem was difficult to resolve. Rather than use company packs that might include salmon from more than one of our reporting areas, we excluded the packs from these canneries in Table E24.

There were some instances where sufficient data were available to resolve this problem. For example, between 1911 and 1916 Wallace Fisheries had canneries in Smith Inlet, on the West Coast of Vancouver Island, and in the Queen Charlotte Islands. Packs from these canneries were recorded as the Wallace Fisheries pack under Outlying Districts in FCBC/PFY reports. However, in Statistical Basebook No. 3, compiled by the Department of Fisheries in the late 1950s (Anonymous 1958), the canned pack for Wallace Fisheries at Smith Inlet was included with packs from Rivers Inlet canneries. Thus, for years when Wallace Fisheries was the only company operating in Smith Inlet (1911-1916), subtracting the Basebook total pack for Rivers and Smith Inlet from the FCBC/PFY pack for Rivers Inlet, yielded the pack for Wallace

Fisheries at Smith Inlet. And for years during this period when there was evidence that the Wallace Fisheries cannery in the Queen Charlotte Islands did not operate, subtracting the Smith Inlet pack by Wallace Fisheries from the total Wallace Fisheries pack in FCBC/PFY reports left the pack for Wallace Fisheries at Kildonan on the West Coast of Vancouver Island.

Finally, FCBC canned packs for steelhead and blueback (small coho) were combined between 1916 and 1923. Fortunately, the Pacific Fisherman Yearbook provided separate totals which we used in this report. Of interest, PFY combined pink and chum from 1906 to 1909, but FCBC did not. The remaining species were all reported separately in both publications.

2.2.3. 1930-1944

For DBS areas on the coast north of Cape Caution (District II) from 1930 to 1944, the canned pack and products in each area had already been allocated to species by DMF bookkeepers, and transfers of salmon for processing had also been accounted for by species. We simply verified that tables of salmon landings in hundredweight, by species and area, were in fact derived from the canned pack and product statistics (see Section 2.0 in Appendix F). For DBS areas in District III, complete sets of Supplemental Schedules from processing establishments were available for analysis. Since we did not find useful tables of landings by species and area similar to those for District II, we reconstructed the production of each species in each DBS area ourselves, and adjusted for transfers, using canned pack and product data by species from the Schedules (see Section 4.0 in Appendix F). Canned pack data for District I were not a problem since FCBC and PFY provided tables of the Fraser River pack, by species, throughout the 1930-1944 period.

2.2.4. 1945-1950

For 1945 through 1950, DMF statisticians calculated GLW by species and area, adjusted for transfers, from the canned pack and product data. These data, recorded in cwt, were obtained from Schedule 1A forms held at DFO headquarters in Vancouver.

3. PRODUCTS OTHER THAN CANNED SALMON

Information on species composition of products other than canned salmon is scarce before 1923. Cobb (1921), Hoar (1951), Annual Reports of DMF and Pacific Fisherman Yearbooks occasionally referred to the most desirable species for dry salt, pickled, fresh/frozen, smoked and mild cured products, but few data on species composition were found. This is perhaps not surprising when it is considered that from 1876 until the advent of the dry salt trade with Japan at the turn of the century, over 80 percent of landings were canned, and those who chronicled the fishery (e.g. McKervill 1967, Lyons 1969, Forester and Forester 1975), devoted their attention almost entirely to the canning industry.

Whereas data on species composition of individual non-canned products are lacking prior to 1923 (see below), information for 1923 through 1930 was quite complete on mimeographed forms accompanying the Supplemental Schedules for each establishment. As a consequence, therefore, except where specific archival data indicated otherwise, species compositions for earlier years were estimated by assuming that pre-1923 species compositions were the same as the average values during 1923-1930.

The justification for using 1923-1930 data for earlier years included the following:

a) A number of the products were more or less "species specific", involving only one or two species. For example, from a few pre-1923 records in which species composition was mentioned, salmon dry salted for the oriental market were almost always attributed to chum salmon, whereas mild-cured salmon were almost always attributed to chinook salmon. Since these sparse references coincided with the firmer post-1922 data, we consider that the assumption that the species composition of the latter two products prior to 1923 was the same as the later period is warranted.

b) Examination of data for each year from 1923 to1930 (e.g., bottom eight rows of Tables E5 through E14) failed to reveal any trends in species composition of other non-canned products, suggesting that use of 1923-1930 data would be appropriate for at least a few years earlier.

There were some cases where archival data indicated differences from the 1923-1930 pattern. In the following sections, species composition data for 1923-1930 are arrayed and their relevance for various products for the pre-1923 period discussed in light of available archival material.

3.1. Other Products Species Composition, 1923-1930

The first step in using species composition data for the 1923-1930 period was to determine whether or not such data were representative of the total landings, by area, for the period.[4] Tables 17 through 26 of the main report present the DMF/DBS product data from each of the ten areas of this report for 1828 through 1929 (northern areas) and 1932 (southern areas). Tables E5 through E14 present estimates of species compositions for products other than canned salmon for these areas and years (dashes in the tables mean that no non-canned products were prepared). We found that the 1923-1930 data on product amounts on the mimeographed forms accompanying the Schedules matched the DBS published product totals (Tables 17-26) by area very closely. Thus for these years we had a virtually complete record of species compositions.

The next step was to develop estimates of proportional representation of species in various products for the 1923-1930 period. Species composition data from the Schedules were then used to allocate the published 1923 to 1930 product data to species. In the few cases when DBS recorded an amount for a product in an area, but the Schedules did not (e.g. pickled salmon in 1926 for Johnstone Strait), the 1923-1930 average species composition for the area (Table E19) was substituted.

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[4] Species composition data for 1923 through 1930 were obtained from Supplemental Schedules filed under Accession Number 83-6 at the Federal Records Centre of Archives Canada in Burnaby, B.C. (see Appendix A).

3.1.1. The special case for fresh salmon prepared by fishermen

Fresh/frozen salmon were prepared by individual fishermen and by companies. The company data were recorded, by species, on Supplemental Schedules (see Table B24). Fresh/frozen salmon production by fishermen apparently involved "dockside" sales, mostly of fresh salmon. In contrast to company production, Fishery Officers recorded fishermen's sales on Schedule II forms without reference to species (see Table B22). The fresh/frozen category in DBS reports combined amounts from both sources.

In District III, fresh salmon sold by fishermen generally accounted for over 75 percent of the total fresh/frozen production (Table E15); in District I (Fraser River) fishermen's production accounted for over one-third of the total fresh/frozen production. In contrast, based on the historical record, District II fishermen seldom prepared fresh salmon. For example, on the Skeena River, fishermen usually accounted for less than five percent of the total fresh/frozen production (Table E15); the Skeena was the only District II area where Schedule II salmon production was reported between 1923 and 1930.

In preliminary analyses of the historical salmon statistics, Argue et al. (1986 MS) assumed that species compositions of fresh/frozen salmon prepared by companies were representative of all fresh/frozen salmon. Later, in FRC accession 86-185 covering 1927-1930, we found worksheets (e.g. Table E16) with fresh salmon production by fishermen broken down by species and month for most of the DBS areas in District III (note that fresh production is shown for species other than salmon). The amounts shown in cwt were usually equal to the amounts shown on Schedule II forms such as Table E17 (compare totals for fresh salmon in Tables E16 and E17). We suspect that trollers were the main source for the fresh salmon data since salmon production was recorded for all months of the year, and usually was limited to chinook ("RS"), coho ("Cohoe") and bluebacks (small coho, "BB"), the traditional target species for trollers (Milne 1964, Argue *et al.*1987).

We compared species composition data for companies and fishermen for Johnstone Strait, Juan de Fuca Strait and the West Coast of Vancouver Island (Strait of Georgia excluded due to insufficient company data) (Figure E1). In each area there were higher proportions of chinook in the fishermen's production, and higher proportions of chum and pink in the company production. These results led to the decision to use different species compositions for the two sources of fresh/frozen data.

Table E18 presents DMF worksheet data for 1927-1930 for District III areas that were used to estimate species composition for fresh production by fishermen in Tables E5 to E14. The column "Total Weight" on the left of Table E18 is the weight of fresh production by fishermen that was recorded on Schedule II forms; "Percentage Sampled" refers to the percentage of "Total Weight" that was represented by data from the worksheets. The "sampled" amounts often differed from the total weight. In some cases these differences were probably due to missing data (worksheets were not available for each DBS area); in other cases differences probably reflected the preliminary nature of worksheet data.

There were no species composition data for fishermen's' production of fresh salmon on the Skeena and Fraser Rivers. Lacking such information, it was assumed that the species composition in those two locations was the same each year as it was in District III as a whole.

For 1923 through 1926 for these areas, when no species composition data for fishermen's catches were available, the average species composition for the entire 1927-1930 period (weighted by the abundance of catch each year) was used (last row Table E18).

3.2. Approach for Other Products before 1923

As outlined above, proportional representations of species for specific products prepared by companies during 1923-1930 were used to compute average species compositions in each area (Table E19) for use with pre-1923 product data. Using the full 1923-1930 data set maximised the number of products and areas for which we had data.

There were some areas for which product data were available, but for which species composition data were not (e.g. fresh/frozen by companies from 1914 to 1920 in the Queen Charlotte Islands, see Table 17 in the main report). In these cases the average species composition for District II was used; when there were no species composition data at the District level, then the average data for the province was used.

On the Fraser, the absence of pink salmon in the even years affected species composition of dry salt and fresh/frozen (companies) products; for these products, separate odd and even year estimates of species compositions were used (Table E19). For Juan de Fuca Strait, odd and even year averages were only used for fresh/frozen salmon prepared by companies.

Chum salmon were omitted from the species composition for Strait of Georgia fresh/frozen salmon (companies) because in this area only one company used this species for fresh/frozen product in one year between 1923 and 1930.

There were other modifications to the above procedures for estimating pre-1923 species compositions. These are discussed below along with general information on the species composition of each product.

3.2.1. Dry salted salmon

Apparently, dry salting salmon was first tried on an experimental basis in British Columbia on the Fraser River in 1897. From 1901 through 1905 dry salt production was initiated in other areas throughout the province. In describing the beginning of the dry salt trade, the DMF Annual Report for 1897 states:

> *In the latter part of the season 600,000 pounds of dry salted salmon were shipped to Japan. It is hoped that this business will prove permanent, as it would afford an opportunity to turn to profitable account, fish which had heretofore been considered commercially valueless.*

The fish referred to was chum or "dog" salmon and the observation that it previously was of no commercial value and was *thrown away as worthless* by commercial fishermen is a consistent theme in DMF Annual Reports around the turn of the Century. The same comments were made of pink salmon.

Cobb (1921) states that chum salmon first became an important commercial product in the United States during the Russian-Japanese war early in the Twentieth Century. He quotes the then American consular agent in Hakodate, Japan as stating that the Japanese would never think of giving a dry salted *... salmon with red and black spots* [presumably on the skin] *to a friend for a New Year's present...*; clearly excluding all salmon species except chum and sockeye, with the latter considered too high in fat content for the dry salt process.

Since DMF reports only mention chum being used in the early years of the dry salt trade, it has been assumed for purposes of species composition that, prior to 1923, all dry salt salmon were chum.

3.2.2. Pickled salmon

Pickling (salting of salmon in barrels) was the first method used for commercial preservation of salmon in British Columbia. It dates back to Hudson's Bay Company subsistence and trading operations in the late 1820s that presaged development of the independent commercial fishery (Shepard and Argue 1989).

As outlined in the main report, the Company's export trade in pickled salmon began about 1830 and involved not only salmon preserved in Canada but also on the Columbia River. On the Columbia, large chinook salmon formed the bulk of the product. The Company's operation in British Columbia was mainly at Fort Langley in the lower reaches of the Fraser River. As summarised by Shepard and Argue, the first experimental operations there were in October 1828 and August 1829. Based on accounts of the numbers and volumes of fish used, the authors concluded that the 1828 pack probably consisted mainly of coho whereas the 1829 pack was probably mainly sockeye. Export of pickled product probably began in 1830, with Hawaii being the chief market (Cullen 1979). Although the Company did not record the species of salmon used, accounts of the Company's fishing operations indicate that, for most of the succeeding 30 years, fish taken for pickling came from the heart of the fishing season when Aboriginal fisheries were most active. In such fisheries sockeye probably dominated the pack which reached a peak of 2,000-3,000 barrels in the late 1840s and early 1850s. As described by Spoehr (1986):

> *Company letters are silent on the preferred salmon for export, until 1860, when Bisset and Hardisty* (Company agents in Hawaii) *complained that the last consignment was of inferior quality, consisting mainly of "pale" fish, which Hawaiians would not buy if "red" salmon were available. This suggests that of the five species of North Pacific salmon, sockeye salmon was preferred for export, in conformity with Hawaiian taste. Native Hawaiians also expressed a preference for Fraser River rather than Columbia River salmon.*

On the basis of this admittedly sketchy information, it was assumed that from 1829 through 1859, when the Hudson's Bay Company had a virtual monopoly in the fishery, 80% of the pickled salmon pack comprised sockeye, with chinook comprising 15% and coho 5%. In the first year of the operation, 1828, conducted late in the season, it was assumed that 85% of the pack was coho with the remaining 15% probably being late chinook.

As discussed in the main report, the Hudson's Bay operations declined after the mid-1850s to be gradually replaced by fishing and processing operations by private entrepreneurs. Records of production and exports in the early years of the independent trade indicate that the quantities of pickled salmon traded between 1860 and the mid 1870s varied from the low hundreds of barrels to a high of slightly less than 3,000 (Shepard and Argue 1989).

There is conflicting information on the likely species composition of the pack from 1860 onward when independent entrepreneurs gained ascendancy in the fishery. Export records reviewed by Shepard and Argue indicated that a substantial portion (averaging about 38%) of exports in the 1860s and early 1870s continued to flow to Hawaii where sockeye seem to have been preferred.

On the other hand, regarding the fishery on the Fraser River, Lyons (1969) expressed the opinion that:

> *The white and pink spring salmon, then considered unsuitable for canning would be used in salting ... It is recorded that in the year 1873 four thousand barrels of this product were shipped from the Fraser River.*

Countering this view regarding the principal target species for the pre-1923 period, Cobb (1921) noted that sockeye ("red") salmon were the most popular species for pickling on the Pacific coast, but that all species entered the trade. Statistics for the 1923-1930 period are in accord with Lyon's view. No sockeye were shown against records of pickled products in the 1923-1930 Schedules that we examined (Table E19).

With this confusing array of information, we have concluded that there is little doubt that the early pickling trade depended to a high degree on sockeye salmon, but that this dependence decreased as the canned fish trade, which was dominated by sockeye, developed. On this basis, prior to 1901, we assumed that 40 percent of pickled products in all areas, except the Queen Charlotte Islands (see below), were sockeye; and between 1901 and 1909, we assumed that 10 percent of each area's pickled product was sockeye. The sockeye percentage was reduced after 1901 because this was consistent with the observed absence of sockeye from pickled products between 1923 and 1930. We used ten percent sockeye for pre-1901 pickled salmon in the Queen Charlotte Islands because this resulted in landings more consistent with "small runs of sockeye" that the early DMF Annual Reports attributed to this area (e.g. 1912-1913 DMF Annual Report).

In addition, we assumed that neither chum nor pink salmon were utilised for pickling prior to 1901. The basis for this assumption was statements in early DMF reports that these species were of little value to the early commercial processors. We also assumed that chum salmon were not utilised for pickling until 1910 on the basis of their absence from the canned pack, except on an experimental basis. In the early 1900s, pickling was a "by-product" of the canning process and pink salmon were established as a canned product by 1901 (Section 2.1.1.2 of this Appendix). Thus, we assumed that pink salmon between 1901 and 1910 were represented in the pickled product in the same ratio as from 1923 to 1930. Finally, we assumed that steelhead were not pickled prior to 1910, and that coho and chinook were represented in the pre-1910 pickled product in the same ratios as from 1923 to 1930.

Table E20 presents the adjusted species compositions that we used for pickled salmon prior to 1910.

3.2.3. Fresh/frozen salmon

3.2.3.1. Fresh frozen salmon prepared by fishermen

As discussed previously, a large portion of salmon sold fresh by fishermen was likely taken by trollers; however, Schedule II records of this production were not available to us before 1923. Since trolling apparently was practiced commercially as early as 1883 (1883 DMF Annual Report), it seemed reasonable to estimate fresh salmon production by fishermen for at least a few years prior to 1923.

In a more recent report, Argue et al. (1987) suggest that the troll fishery became an important harvester of salmon, principally chinook and coho, in the period 1910 to 1915. DMF reports about this time (e.g. Annual Report for 1912) contain statements such as:

> *Large quantities of salmon for* [the] *cannery* [at Bargain Harbour in Jervis Inlet] *were caught by trolling; in fact, this mode of fishing is extending to all areas of the coast.*

By 1917, when troll licenses were first issued, there was a substantial troll fleet in operation (1,370 licensed trollers, see Milne 1964), and presumably also a sizeable troll catch. By 1920 there were 1,855 licensed trollers (Table 60 of the main report). Troll catches undoubtedly increased after power gurdies were introduced in 1918 (Forester and Forester 1975). Finally, there appears to have been a large increase in production of fresh/frozen salmon between 1910 and 1920 in the Skeena River area, in the areas of District III and in District I. Taking all this into account, it has been assumed in this report that troll caught salmon recorded on Schedule II forms were a major factor in the fresh/frozen production from 1910 onward.

The proportion that 1923-1930 Schedule II production was of total fresh/frozen production (last row in Table E15) was used to estimate fresh production by fishermen for each area between 1910 and 1922. Species compositions for 1927-1930 from Table E18 were then used to allocate this estimated production to species prior to 1923.

3.2.3.2. Fresh/frozen salmon prepared by companies

On the subject of species composition for frozen salmon, Cobb (1921) wrote:

> *The coho, or silver, and the chum, or dog, salmon are the choicest of the salmons for freezing. The other species, except the red, or sockeye, which is too oily and rarely frozen, are frozen in varying quantities. The steelhead trout, which is ranked by the Pacific coast dealers among the salmon, is considered the choicest fish of all for freezing."*

It was surprising that Cobb did not include chinook salmon among the prime species for freezing. Around 1890 a substantial export trade for spring salmon (principally from the Fraser River) packed on ice and frozen developed with the United States. Regarding this trade the 1891 DMF Annual Report states:

> *The spring salmon run was fairly good, though not many were packed at the canneries, the export trade taking all the surplus, as the fishermen obtain better prices from the exporters than from the cannerymen ...*

It would appear, then, that at least in British Columbia, chinook ("spring") salmon were important in the early trade in frozen salmon.

Other than general comments, the descriptions of fresh/frozen production in the historical literature provided little objective information on which to develop species composition estimates. For this reason, the 1923-1930 species compositions in Table E19 were assumed to apply to fresh/frozen production by companies back to 1901. It will be noted that for some areas, chum and pink salmon accounted for up to 70 and 19 percent, respectively, of fresh/frozen salmon between 1923 and 1930 (Tables E5 to E14). Similar percentages were reported by Hoar (1951) for fresh/frozen production by several fishing companies between 1917 and 1922, so our use of 1923-1930 values would seem reasonable for the 1901 to 1922 period. However, as outlined earlier, it was assumed that pink and chum were not represented in fresh/frozen products prior to 1901. Other species were assumed to be represented in the same ratios as from 1923 to 1930.

Table E20 presents the adjusted species compositions that were used for fresh/frozen production by companies prior to 1901.

3.2.4. Smoked salmon

Cobb (1921) claimed that white springs (chinook with white coloured flesh) were the preferred fish for kippered salmon (a form of smoked salmon), but noted that the flesh was usually dyed red with vegetable colouring as a "concession to popular prejudice". He also considered that smoking salmon was "virtually a continuation" of pickling since the main purpose of pickling was to preserve salmon, principally chinook, for eventual smoking. One could argue that for many years pickling in British Columbia produced a valuable export product in its own right; however, as to species composition there is probably little argument that chinook salmon has always been the desired and dominant species for smoking. This certainly was the case from 1923 to 1930 when chinook accounted for more that 96 per cent of all smoked products.

For the purpose of this report, we have assumed that prior to 1901, 100 percent of smoked salmon were chinook.

3.2.5. Mild cured salmon

The first mild cured production in British Columbia was recorded on the Skeena and Nass Rivers in 1906. By 1912, mild cured salmon were produced throughout the province. This rather tardy commencement of the mild cure process in British Columbia was probably due to the late development of trolling, which at least in the north, was a major source of high quality chinook used in the mild cure process.

There are several comments in DMF reports around this time about chinook salmon being "all mild cured and put up in tierces". Cobb (1921) goes further, stating that "chinook were almost invariably the species mild-cured" from the beginning of mild curing on the Columbia River in the 1890s, to its adoption in Southeast Alaska by 1910. This was certainly the case in B.C. between 1923 and 1930 when 95 percent of mild cured product was prepared from chinook (Table E19); coho accounted for just under 5 percent and pink salmon accounted for under 0.5 percent of mild cured product.

In this report, it has been assumed that the average species compositions for mildcured salmon from 1923 to 1930 were representative of mild cured product between 1916 and 1922.

3.2.6. Salmon used as bait

Salmon is one of the traditional baits used in the Pacific halibut fishery (IPHC 1978) and presumably this was the primary use to which bait salmon recorded in the BritishColumbia fisheries statistics was put. The fact that bait salmon was not reported until 1923 does not necessarily mean that salmon were not used as bait until then. It may reflect the relatively small size of the halibut fishery until the advent in the 1920s of diesel powered schooners that were designed to haul longlines mechanically, thus phasing out handline fishermen who worked from small dories, and leading the way to greatly increased demand for halibut bait.

Pink and chum salmon were the dominant species (>95%) recorded as bait in the1923-1930 data.

3.3. Species Composition for Non-canned Products, 1931-1944

For 1931-1934, Supplemental Schedule data were used to estimate species composition of products other than canned salmon for District I (Table E21). For District II, the authors simply verified that DMF estimates of landed weight, by species (the "Prince Rupert" DMF data), were calculated from the product and canned pack data on the Schedules (see Appendix F). Section 4.0 in Appendix F describes how data from Supplemental Schedules were used to allocate District III product amounts to species.

Species composition data for fresh salmon prepared by fishermen was recorded on Schedule II forms starting in 1945 (see Table B30). Schedule II forms were discontinued in 1948. Table E22 presents the 1945 to 1947 data for each area in which fresh salmon were prepared by fishermen. Average percentages for 1945-1947 from Table E22 were used to estimate the species composition of fresh salmon prepared by fishermen in District I between 1931 and 1944. For Johnstone Strait, Strait of Georgia, Juan de Fuca Strait and the West Coast of Vancouver Island, 1927-1930 average percentages (Table E18) were used to estimate the species composition of fresh salmon from 1931 to 1935; 1945 to 1947 percentages (Table E23) were used to estimate species composition from 1940 to 1944, and the averages from both data sets were used for 1936 to 1939.

4. SUMMARY

As outlined above, the procedures for estimating species compositions for canned packs and for other products differed substantially, mainly because canned packs were reported by species in most official publications after 1901, whereas the remaining products were never reported by species in the official government publications, and only were reported by species in the archival records starting in 1923. This was a reflection of the industry practice of marketing canned salmon and steelhead under species-specific brands, while other products were seldom marketed in this way. These differences affected the methods that were adopted to estimate species compositions. Consequently, in the text and tables, data for canned packs and for other products are presented and discussed separately.

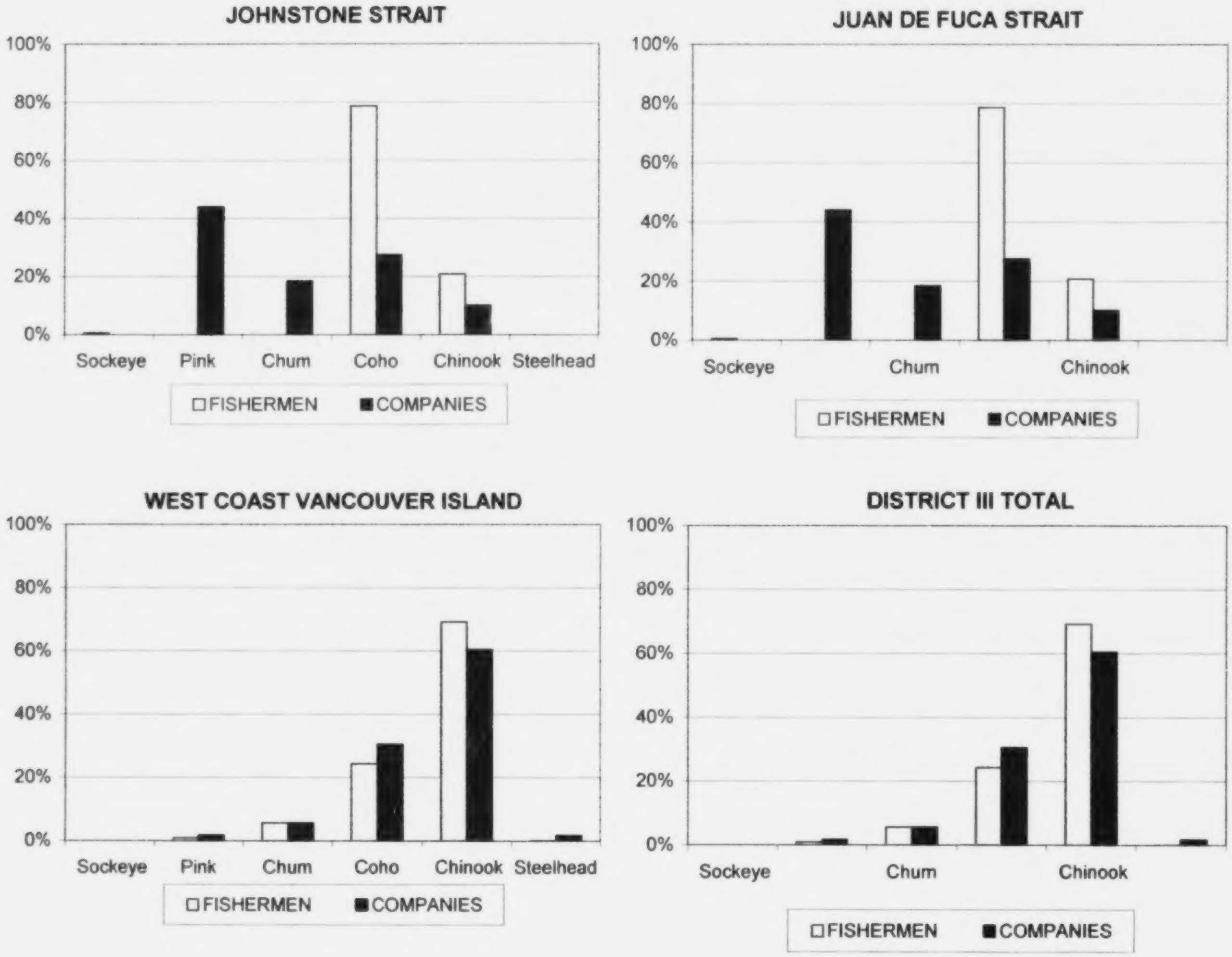


Figure E1. Species composition of fresh/frozen salmon prepared by companies and fishermen, 1927 to 1930 averages.

Table E1. Estimation of landed weights of salmon canned on the Fraser River during 1870-1900. See Appendix E text for methods for allocating weights of packs between species.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Recorded Case Pack (48 lb cases)								Estimated Landed Weight (tonnes)					
Year	Total[a] (Cases)	Sockeye[b] (Cases)	Sockeye (%)	Other[c] (Cases)	Pink (Cases)	Chum (Cases)	Coho (Cases)	Chinook (Cases)	Sockeye	Pink	Chum	Coho	Chinook	Total[d]
1870	625	NA	-	NA	-	-	NA	NA	2	-	-	2	19	23
1871	1,046	NA	-	NA	-	-	NA	NA	15	-	-	3	22	40
1872	1,033	NA	-	NA	-	-	NA	NA	25	-	-	3	12	40
1873	*9,100*	*8,125*	*89*	*975*	-	-	*919*	*56*	*310*	-	-	*35*	*2*	*347*
1874	18,719	NA	-	NA	-	-	NA	NA	679	-	-	33	2	714
1875	8,500	NA	-	NA	-	-	NA	NA	321	-	-	3	<0.5	324
1876	10,647	9,847	92	800	-	-	754	46	375	-	-	29	2	406
1877	*64,387*	*64,387*	*100*	-	-	-	-	-	*2,453*	-	-	-	-	*2453*
1878	105,101	100,000	95	5,101	-	-	4,808	293	3,810	-	-	183	11	4,004
1879	50,490	50,000	99	490	-	-	462	28	1,905	-	-	18	1	1,924
1880	42,155	25,000	59	17,155	-	-	16,170	985	953	-	-	616	38	1,607
1881	*142,516*	*142,516*	*100*	-	-	-	-	-	*5,430*	-	-	-	-	*5,430*
1882	199,204	175,000	88	24,204	-	-	22,815	1,389	6,668	-	-	869	53	7,590
1883	109,701	100,000	91	9,701	-	-	9,144	557	3,810	-	-	348	21	4,179
1884	38,437	25,000	65	13,437	-	-	12,666	771	953	-	-	483	29	1,465
1885	*89,617*	*89,617*	*100*	-	-	-	-	-	*3,415*	-	-	-	-	*3,415*
1886	99,177	36,000	36	63,177	-	-	59,551	3,626	1,372	-	-	2,269	138	3,779
1887	130,138	125,000	96	5,138	-	-	4,843	295	4,763	-	-	185	11	4,959
1888	76,616	40,000	52	36,616	-	-	34,514	2,102	1,524	-	-	1,315	80	2,919
1889	*308,122*	*303,875*	*99*	*4,247*	-	-	*4,003*	*244*	*11,578*	-	-	*153*	*9*	*11,740*
1890	244,637	225,000	92	19,637	-	-	18,510	1,127	8,573	-	-	705	43	9,321
1891	177,657	131,000	74	46,657	-	-	43,979	2,678	4,991	-	-	1,676	102	6,769
1892	98,490	59,000	60	39,490	-	-	37,223	2,267	2,248	-	-	1,418	86	3,752
1893	*474,229*	*455,000*	*96*	*19,229*	-	-	*18,125*	*1,104*	*17,336*	-	-	*691*	*42*	*18,069*
1894	363,566	360,000	99	3,566	-	-	3,361	205	13,717	-	-	128	8	13,853
1895	432,920	360,000	83	72,920	-	-	68,734	4,186	13,717	-	-	2,619	159	16,495
1896	375,344	325,000	87	50,344	-	-	47,454	2,890	12,383	-	-	1,808	110	14,301
1897	*879,115*	*850,000*	*97*	*29,115*	-	-	*27,444*	*1,671*	*32,386*	-	-	*1,046*	*64*	*33,496*
1898	264,224	216,000	82	48,224	-	-	45,456	2,768	8,230	-	-	1,732	105	10,067
1899	521,125	486,409	93	34,716	3,925	3,925	25,324	1,542	18,533	150	150	965	59	19,857
1900	331,361	170,889	52	160,472	12,267	119,852	26,726	1,627	6,511	467	4,567	1,018	62	12,625

a. Records of numbers of cases canned from DMF Annual Reports, except from Lyons (1969) for 1870 and from Colony of British Columbia export statistics for 1871, 1872 and 1875.

b. Numbers of cases listed in Rounsefell and Kelez (1938).

c. Difference between "Total" and "Sockeye" cases.

d. Totals for 1870-75 from data on pounds of product from main text Table 5 times 1.75, converted to tonnes; totals for 1876-1900 from DMF case data times 84 lb/case, converted to tonnes. See Appendix E, section 2.1.1.2 for species breakdowns.

Table E2. Estimation of the percentage contribution of sockeye, chinook and coho to the landed weights of canned salmon packs prior to 1904. See text for analytical methods.

		Part A. Fraser River in 1870 and 1875						
Year	**Basis**	**Percentages (%)**			**Landed Weight (Tonnes)**			**Total[a]**
		Sockeye	**Coho**	**Chinook**	**Sockeye**	**Coho**	**Chinook**	
1870	Estimates based on Lyons (1969) conclusion regarding chinook predominance	10	10	80	2	2	19	23
1871	Transition from percentages in 1870 to those in 1873	37	8	55	15	3	22	40
1872	Transition from percentages in 1870 to those in 1873	63	7	30	25	3	12	40
1873	Rounsefell and Kelez (1938) for sockeye with 1901-03 percentages for coho and chinook applied to the remainder	89[b]	10[b]	1[b]	310	35	2	347
1874	Percentage for the next cycle year - 1878 - for sockeye with 1901-03 average percentages for coho and chinook, as above	95	5	<0.5	679	33	2	714
1875	Percentage for the next cycle year - 1879 - for sockeye with 1901-03 average percentages for coho and chinook, as above	99	1	<0.5	321	3	<0.05	324

a. Canned pack in pounds from main text Table 5 converted to GLW in tonnes.

b. Proportions used to calculate landed weights: sockeye 0.8929 (sockeye cases from Rounsefell and Kelez divided by total cases), coho 0.1010 or 0.9426(1-0.8929), chinook 0.0061 or 0.0574(1-0.8929).

Table E2. Continued.

Part B. All Areas except Queen Charlotte Islands, 1901 to 1903						
Year	Pack (cases)			Species Composition (%)		
	Sockeye	Coho	Chinook	Sockeye	Coho	Chinook
			NASS RIVER			
1901	13,604	0	1,400	90.67	0.00	9.33
1902	20,482	1,315	1,415	88.24	5.67	6.10
1903	11,370	5,127	1,597	62.84	28.34	8.83
			Average	80.58	11.33	8.08
			SKEENA RIVER			
1901	81,209	4,155	22,019	75.63	3.87	20.51
1902	118,590	4,215	15,361	85.83	3.05	11.12
1903	51,023	11,292	17,795	63.69	14.10	22.21
			Average	75.05	7.01	17.95
			NORTH COAST			
1901	19,037	3,382	2,194	77.35	13.74	8.91
1902	19,538	8,445	128	69.50	30.04	0.46
1903	19,204	5,718	1,717	72.09	21.46	6.45
			Average	72.98	21.75	5.27
			RIVERS AND SMITH INLETS			
1901	60,838	3,086	765	94.05	4.77	1.18
1902	74,019	958	493	98.08	1.27	0.65
1903	73,419	219	1,522	97.68	0.29	2.03
			Average	96.60	2.11	1.29
			JOHNSTONE STRAIT			
1901	990	0	1,835	35.04	0.00	64.96
1902	1,772	1,780	0	49.89	50.11	0.00
1903	1,505	219	0	87.30	12.70	0.00
			Average	57.41	20.94	21.65
			WEST COAST VANCOUVER ISLAND			
1901	3,728	810	123	79.98	17.38	2.64
1902	4,060	846	70	81.59	17.00	1.41
1903	7,340	840	638	83.24	9.53	7.24
			Average	81.60	14.64	3.76
			FRASER RIVER			
1901	-	17,043	885	-	95.06	4.94
1902	-	29,685	1,574	-	94.96	5.04
1903	-	25,733	2,013	-	92.74	7.26
			Average	-	94.26	5.74

Table E3. List of B.C. canneries and operating periods (to 1930) as given by Cobb (1930), for "Outlying Districts", and "Vancouver Island" districts. Repeated cannery locations denote a cannery that was sold or moved. Continued.

District	Area in this Report	Operating Period	Company	Cannery Location
Outlying Districts	Queen Charlotte Islands	1912 to 1913	British Columbia Fisheries (Ltd)	Aliford Bay, Skidegate Inlet
"		1916 to 1916	Western Salmon Packing Co	" "
"	"	1917 to 1930+	Maritime Fisheries (Ltd)	" "
"	"	1912 to 1913	Wallace Fisheries (Ltd)	Naden Harbour
"	"	1916 to 1918	Wallace Fisheries (Ltd)	" "
"	"	1919 to 1930+	Wallace Fisheries (Ltd)	" ", to Masset In.
"	"	1918 to ?	Lockeport Canning Co	Lockeport
"	"	1918 to ?	Western Salmon Packing Co	Lagoon Bay
"	"	1924 to 1924	Sommerville Cannery Co (Ltd)	Masset Inlet (floating cannery)
"	Smith Inlet	1883 to 1884	John Rood	Quachela Lagoon
"	"	1902 to 1911	Wm Hickey Canning Co	Quachela Lagoon
"	"	1912 to ?	Wallace Fisheries (Ltd)	" "
"	"	1917 to ?	Western Packers (Ltd)	Marguerite Bay
"	North Coast	1890 to 1901	Lowe Inlet Canning Co	Lowe Inlet
"	"	1902 to ?	British Columbia Packers Assoc	" "
"	"	1890 to 1893	? Price and associates	Gardiner Canal
"	"	1893 to 1911	Robert Draney	Namu
"	"	1912 to 1917	Draney Fisheries (Ltd)	"
"	"	1918 to ?	Northern B. C. Fisheries (Ltd)	"
"	"	1901 to 1911	Robert Draney	Kimsquit
"	"	1912 to 1917	Draney Fisheries (Ltd)	"
"	"	1918 to ?	Northern B. C. Fisheries (Ltd)	"
"	"	1907 to 1930+	Kildalla Packing Co	Manitou cannery
"	"	1900 to 1901	John Clayton	Bella Coola cannery
"	"	1902 to 1930+	British Columbia Packers Assoc	" " "
"	"	1917 to 1917	Tallheo Fisheries (Ltd)	Bella Coola ?
"	"	1918 to ?	Northern B. C. Fisheries (Ltd)	" "
"	"	1900 to 1901	Toms, Morris & Fraser	China Hat
"	"	1902 to 1902	British Columbia Packers Assoc	" "
"	"	1911 to 1916	John Wallace	Warke Island
"	"	1917 to ?	Western Packers (Ltd)	" "
"	"	1912 to 1914	East Bella Bella Canning Co	Bella Bella
"	"	1915 to 1923	Gosse-Millerd Packing Co	" "
Outlying Districts & Vancouver Island	Johnstone Strait	1881 to 1901	S.A. Spenser	Alert Bay
	"	1902 to 1930+	British Columbia Packers Assoc	" "
"	"	1904 to 1905	Pidcock Bros	Quathiaski Cove
"	"	1907 to 1909	T.E. Atkins	" "
"	"	1910 to 1930+	Quathiaski Canning Co	" "
"	"	1907 to 1909	Capt. R.E. Gosse	Knight Inlet, Sargeants Passage
"	"	1910 to 1910	Capt. R.E. Gosse	" ", Glendale Cove
"	"	1911 to 1930+	Anglo-British Columbia Packing Co	" " " "
"	"	1914 to 1916	Goletas Fishing Co	Shushartis Bay

Table E3. Continued.

District	Area in this Report	Operating Period	Company	Cannery Location
Outlying Districts & Vancouver Island	Johnstone Strait	1917 to ?	Western Packers (Ltd)	" "
	"	1914 to 1914	Gilford Fish Co	Kingcome Inlet
"	"	1915 to ?	Preston Packing Co	" "
"	Georgia Strait	1890 to 1890	C.S. Windsor and George Hobson	Bute Inlet
"	"	1906 to 1907	P.H. Alder	Pender Harbour
"	"	1912 to 1913	Jervis Inlet Canning Co	Jervis Inlet
"	"	1917 to ?	C.L. Packing Co	Jervis Inlet, Green Bay
"	"	1913 to 1916	Nanaimo Canning Co	Nanaimo
"	"	1917 to 1930+	Nanaimo Canners and Packers (Ltd)	"
"	"	1916 to ?	? Quathiaski Canning Co	Blind Cove (Bay ?)
"	"	1916 to ?	Gulf Island Fish Co	Lasqueti Island
"	"	1916 to ?	Sidney Canning Co	Sidney
"	"	1917 to ?	Redonda Is. Can. & Cold Stor. Co	Redonda Island
"	Juan de Fuca Strait	1905 to 1930+	J.H. Todd & Sons	Victoria, Esquimalt Harbour
"		1905 to 1914	Capital City Canning Co	Victoria
"	"	1918 to ?	Defiance Packing Co	Port Renfrew
"	West Coast Vancouver Island	1895 to 1901	Earle and Magneson	Clayoquot Sound
"		1902 to 1930+	Clayoquot Sound Canning Co	" "
"	"	1896 to 1896	West Coast Packing Co	Nootka Sound
"	"	1917 to 1930+	Nootka Packing Co	" "
"	"	1903 to 1910	Dawson & Buttimer	Alberni Canal
"	"	1911 to ?	Wallace Fisheries (Ltd)	" "
"	"	1911 to 1914	Wallace Fisheries (Ltd)	Quatsino Sound
"	"	1919 to ?	Gosse-Millerd Packing Co	San Mateo
"	"	1925? to 1925	Sommerville Cannery Co (Ltd)	Quatsino Sd (floating cannery)
"	"	1917 to ?	Lummi Bay Packing Co	Nitinat

? Indicates that it was not clear from what Cobb wrote when the cannery started/stopped operating, and uncertainty about the location name.

+ Cobb clearly states that these canneries were still operating in 1930.

Table E4. List of B.C. canneries and operating periods (to 1930) as given by Lyons (1969), for canneries in "Outlying Districts", and "Vancouver Island" districts. Repeated cannery locations denote a cannery that was sold or moved. Continued.

District	Area in this Report	Operating Period	Company	Cannery Location
Outlying Districts	Queen Charlotte	1912 to 1913	British Columbia Fisheries (Ltd)	Aliford Bay, Skidegate Inlet
"	Islands	1916 to 1916	Western Salmon Packing Co	" "
"	"	1917 to 1930+	Maritime Fisheries (Ltd)	" "
"	"	1912 to 1913	Wallace Fisheries (Ltd)	Naden Harbour
"	"	1916 to 1919	Wallace Fisheries (Ltd)	" "
"	"	1920 to 1925	Wallace Fisheries (Ltd)	" ", and Masset Sd
"	"	1926 to 1928	B.C. Fishing & Packing Co (Ltd)	" " "
"	"	1929 to 1930	British Columbia Packers (Ltd)	" " "
"	"	1918 to 1926	Lockeport Canning Co	Klunkwoi Bay
"	"	1927 to ?	The Canadian Fishing Co (Ltd)	" "
"	"	1918 to 1922	Western Salmon Packers (Ltd)	Lagoon Inlet
"	"	1923 to ?	The Canadian Fishing Co (Ltd)	" "
"	"	1924 to 1924	Sommerville Cannery Co (Ltd)	Masset In (floating cannery)
"	"	1926 to 1928	B.C. Fishing & Packing Co (Ltd)	South Bay
"	"	1929 to 1929	British Columbia Packers (Ltd)	" "
"	"	1926 to 1928	Gosse Packing Co (Ltd)	Shannon Bay
"	"	1929 to 1930+	British Columbia Packers (Ltd)	" "
"	"	1926 to ?	Langara Fishing & Packing Co (Ltd)	Masset Sound
"	"	1927 to 1928	Millerd Packing Company (Ltd)	Jedway
"	"	1929 to 1929	British Columbia Packers (Ltd)	"
"	"	1927 to 1930+	Masset Canners Ltd	Masset
"	Naas River	1911 to 1925	M. DesBrisay & Co (Ltd)	Wales Island
"	"	1926 to 1930+	The Canadian Fishing Co (Ltd)	" "
"	"			
	Smith Inlet	1883 to ?	John Rood	Smith Inlet
"	"	1902 to 1911	Wm Hickey Canning Co	Quachela Lagoon
"	"	1912 to 1925	Wallace Fisheries (Ltd)	" "
"	"	1926 to 1928	B.C. Fishing & Packing Co (Ltd)	" "
"	"	1929 to 1930+	British Columbia Packers (Ltd)	" "
"	"	1917 to 1922	Western Packers (Ltd)	Margaret Bay
"	"	1923 to ?	The Canadian Fishing Co (Ltd)	" "
"	"	1926 to 1928	Gosse Packing Company (Ltd)	Smith Inlet
"	"	1929 to 1930+	British Columbia Packers (Ltd)	" "
"	"			
"	North Coast	1890 to 1901	Lowe Inlet Packing Co (Ltd)	Lowe Inlet
"	"	1902 to 1902	Victoria Canning Co	" "
"	"	1902 to 1920	British Columbia Packers Assoc	" "
"	"	1920 to 1928	B.C. Fishing & Packing Co (Ltd)	" "
"	"	1929 to 1930+	British Columbia Packers (Ltd)	" "
"	"	1890 to 1893	Price and Company	Gardiner Canal
"	"	1893 to 1911	Namu Canning Co (Ltd)	Namu
"	"	1912 to 1917	Draney Fisheries (Ltd)	"
"	"	1918 to 1923	Northern B. C. Fisheries (Ltd)	"
"	"	1924 to 1925	Gosse-Millerd Company (Ltd)	"
"	"	1926 to 1928	Gosse Packing Co (Ltd)	"
"	"	1929 to 1930+	British Columbia Packers (Ltd)	"
"	"	1901 to 1911	Namu Canning Co (Ltd)	Kimsquit

Table E4. Continued.

District	Area in this Report	Operating Period	Company	Cannery Location
Outlying Districts	North Coast	1912 to 1917	Draney Fisheries (Ltd)	"
"	"	1918 to 1923	Northern B. C. Fisheries (Ltd)	"
"	"	1924 to 1925	Gosse-Millerd Company (Ltd)	"
"	"	1926 to 1928	Gosse Packing Co (Ltd)	"
"	"	1928 to 1928	British Columbia Packers (Ltd)	"
"	"	1907 to 1908	Dawson & Buttimer	Manitou cannery
"	"	1908 to 1924	Kildalla Packing Co (Ltd)	" "
"	"	1925 to ?	The Canadian Fishing Co (Ltd)	" "
"	"	1900 to 1901	Clayton Canning Co	Bella Coola
"	"	1902 to 1920	British Columbia Packers Assoc	" "
"	"	1920 to 1928	B.C. Fishing & Packing Co (Ltd)	" "
"	"	1929 to 1930+	British Columbia Packers (Ltd)	" "
"	"	1917 to 1917	Tallheo Fisheries (Ltd)	North Bentinck Arm
"	"	1918 to 1925	Northern B. C. Fisheries (Ltd)	" " "
"	"	1926 to ?	The Canadian Fishing Co (Ltd)	" " "
"	"	1900 to 1901	Princess Royal Packing Co	China Hat
"	"	1902 to 1902	British Columbia Packers Assoc	" "
"	"	1911 to 1916	John Wallace	Butedale
"	"	1917 to 1922	Western Packers (Ltd)	"
"	"	1923 to 1930+	The Canadian Fishing Co (Ltd)	"
"	"	1912 to 1914	East Bella Bella Canning Co	Bella Bella
"	"	1915 to 1920	Gosse-Millerd Packing Co	" "
"	"	1920 to 1928	Gosse-Millerd Company (Ltd)	" "
"	"	1929 to 1930	British Columbia Packers (Ltd)	" "
"	"	1919 to ?	Ocean Packing Co (Ltd)	? location
"	"	1926 to 1926	Captain Cove Canning Co (Ltd)	Pitt Island
"	"	1926 to 1928	Gosse Packing Company (Ltd)	" "
"	"	1928 to 1928	British Columbia Packers (Ltd)	" "
"	"	1927 to 1930+	Klemtu Canning Co (Ltd)	Swindle Island
"	"	? to 1930+	J.H. Todd & Sons (Ltd)	Klemtu
"	"	1927 to 1928	B.C. Fishing & Packing Co (Ltd)	Walker Lake
"	"	1929 to 1930+	British Columbia Packers (Ltd)	" "
"	Johnstone Strait	1881 to 1901	Alert Bay Canning Co	Alert Bay
"	"	1902 to 1920	British Columbia Packers Assoc	" "
"	"	1920 to 1928	B.C. Fishing & Packing Co (Ltd)	" "
"	"	1928 to 1930	British Columbia Packers (Ltd)	" "
"	"	1904 to 1906	Pidcock Bros & Co	Quathiaski Cove
"	"	1907 to 1907	T.E. Atkins	" "
"	"	1908 to 1911	Quathiaski Packing Co (Ltd)	" "
"	"	1912 to 1930+	Quathiaski Canning Co (Ltd)	" "
"	"	1907 to 1908	Capt. R.E. Gosse	Knight In, Sargeaunt Passage
"	"	1910 to 1910	Capt. R.E. Gosse	" ", Glendale Cove
"	"	1911 to 1930+	Anglo-British Columbia Pkng Co (Ltd)	" " " "
"	"	1914 to ?	Goletas Fishing Co	Shushartie Bay
"	"	1917 to 1922	Western Packers (Ltd)	" "
"	"	1923 to 1928	The Canadian Fishing Co (Ltd)	" "
"	"	1928 to ?	The Canadian Fishing Co (Ltd)	" ", to Bones Bay
"	"	1914 to 1915	Gilford Fish Co (ltd)	Kingcome Inlet
"	"	1915 to ?	Preston Packing Co (Ltd)	" "

Table E4. Continued.

District	Area in this Report	Operating Period	Company	Cannery Location
Outlying Districts	Johnstone Strait	1929 to 1930+	Kingcome Packers (Ltd)	Charles Creek, Kingcome Inlet
"	"	1924 to 1926	Sommerville Cannery Co (Ltd)	Malcolm Island
"	"	1927 to 1928	Millerd Packing Company (Ltd)	" "
"	"	1929 to 1929	British Columbia Packers (Ltd)	" "
Outlying Districts	Georgia Strait	1890 to 1890	Hobson and Company	Bute Inlet
& Vancouver Island	"	1906 to 1907	P.H. Alder	Pender Harbour
"	"	1912 to 1913	Jervis Inlet Canning Co	Jervis Inlet
"	"	1917 to ?	C.L. Packing Co	Jervis Inlet, Green Bay
"	"	1914 to 1916	Nanaimo Canning Co	Nanaimo
"	"	1917 to 1926	Nanaimo Canners and Packers (Ltd)	"
"	"	1926 to ?	The Canadian Fishing Co (Ltd)	"
"	"	? to 1930+	Deep Bay Packing Co (Ltd)	Bowser
"	"	1918 to 1918	Puntledge Canning Co (Ltd)	Courtenay
"	Juan de Fuca	1905 to 1930+	J.H. Todd & Sons (Ltd)	Victoria, Esquimalt Harbour
"	Strait	1913 to ?	British Columbia Canning Co (Ltd)	Victoria
"	"	1918 to ?	Defiance Packing Co (Ltd)	Port Renfrew
"	"	1919 to ?	Sooke Harbour Fishing & Pkng Co(Ltd)	Sooke
"	"	1927 to 1927	Saanich Canning Co (Ltd)	Saanich Inlet
"	West Coast	1895 to 1901	Clayoquot Fishing and Trading Co	Clayoquot Sound
"	Vancouver Island	1902 to ?	Clayoquot Sound Canning Co	" "
"	"	1896 to 1896	West Coast Packing Co	west coast of Vancouver Is
"	"	1917 to 1930+	Nootka Packing & Fishing Co (Ltd)	Nootka
"	"	1903 to 1908	Alberni Packing Co	Kildonan
"	"	1909 to 1910	Wallace Bros. Packing Co (Ltd)	"
"	"	1911 to 1925	Wallace Fisheries (Ltd)	"
"	"	1926 to 1928?	B.C. Fishing & Packing Co (Ltd)	"
"	"	1929? to ?	British Columbia Packers (Ltd)	"
"	"	1911 to 1925	Wallace Fisheries (Ltd)	Quatsino Sound
"	"	1926 to 1928	B.C. Fishing & Packing Co (Ltd)	" "
"	"	1929 to 1930+	British Columbia Packers (Ltd)	" "
"	"	1918 to 1920	Gosse-Millerd Packing Co (Ltd)	San Mateo
"	"	1920 to 1926	Gosse-Millerd Company (Ltd)	" "
"	"	1926 to 1928	Gosse Packing Company (Ltd)	" "
"	"	1928 to 1928	British Columbia Packers (Ltd)	" "
"	"	1917 to 1925	Lummi Bay Packing Co	Nitinat
"	"	1925 to 1926	Nitinat Packers (Ltd)	"
"	"	1927 to 1928	Gosse Packing Company (Ltd)	"
"	"	1929 to 1930+	British Columbia Packers (Ltd)	"
"	"	1919 to ?	Bamfield Fisheries (Ltd)	
"	"	1924 to 1925	Sommerville Cannery Co (Ltd)	Quatsino Sound
"	"	1926 to ?	B.C. Fishing & Packing Co (Ltd)	" "
"	"	1926 to 1928	Gosse Packing Company (Ltd)	Nootka Island
"	"	1929 to 1930+	B.C. Fishing & Packing Co (Ltd)	" "
"	"	1928 to ?	Anglo-British Columbia Pkng Co (Ltd)	Kyuquot Sound
"	"	1929 to 1930	Francis Millerd	Port Alberni

? Indicates that it was not clear from what Lyons wrote when the cannery started/stopped operating.

+ Cannery in operation past 1930.

Table E5. Percentage species composition of products for the Queen Charlotte Islands, 1888-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1888	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	10.0	0.0	0.0	31.5	58.5	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	10.0	0.0	0.0	31.5	58.5	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1902	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1903	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1904	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1905	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1906	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1907	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1908	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1909	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1910	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1911	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1912	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1913	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1914	0.0	100.0	0.0	0.0	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1915	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	0.0	100.0	0.0	0.0	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	0.0	3.4	96.5	0.0	-	-	-	-
1919	0.0	100.0	0.0	0.0	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1920	0.0	100.0	0.0	0.0	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1924	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1925	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1926	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	####	0.0	0.0	0.0

Table E6. Percentage species composition of products for the Nass River, 1878-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1878	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1879	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1884	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1889	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1891	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1902	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1903	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1904	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1905	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1906	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1907	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	0.0	3.4	96.5	0.0	-	-	-	-
1908	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1909	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1910	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1911	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1912	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	3.4	96.5	0.0	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table E6. Continued

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1919	0.0	100.0	0.0	0.0	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1924	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table E7. Percentage species composition of products for the Skeena River, 1877-1930.

	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
Year	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	hum	Coho	Chin
1877	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1878	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1879	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	40.0	0.0	0.0	11.6	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1889	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1891	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1894	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	40.0	0.0	0.0	11.6	48.4	0.1	0.0	0.0	43.9	47.2	8.8	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1902	-	-	-	-	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1903	-	-	-	-	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1904	-	-	-	-	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1905	22.7	77.3	0.0	0.0	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1906	22.7	77.3	0.0	0.0	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1907	22.7	77.3	0.0	0.0	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	-	-	-	-	0.0	2.1	97.9	0.0	-	-	-	-
1908	22.7	77.3	0.0	0.0	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1909	22.7	77.3	0.0	0.0	10.0	5.8	0.0	16.3	67.9	0.1	2.5	19.0	34.5	37.1	7.0	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1911	-	-	-	-	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1912	22.7	77.3	0.0	0.0	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1915	22.7	77.3	0.0	0.0	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	-	-	-	-	0.0	2.1	97.9	0.0	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	-	-	-	-	0.0	2.1	97.9	0.0	-	-	-	-
1917	22.7	77.3	0.0	0.0	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-

Table E7. Continued

	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
Year	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	hum	Coho	Chin
1920	-	-	-	-	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1921	22.7	77.3	0.0	0.0	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1922	22.7	77.3	0.0	0.0	-	-	-	-	-	0.1	2.5	19.0	34.5	37.1	7.0	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	2.1	97.9	0.0	-	-	-	-
1923	100.0	0.0	0.0	0.0	-	-	-	-	-	0.0	1.6	25.0	24.8	46.0	2.7	0.1	0.5	5.1	38.7	55.6	0.1	-	-	-	-	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0
1924	25.1	74.9	0.0	0.0	0.0	46.1	0.0	0.0	53.9	0.0	5.0	21.6	28.7	42.2	2.6	0.1	0.5	5.1	38.7	55.6	0.1	-	-	-	-	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0
1925	0.0	100.0	0.0	0.0	0.0	0.0	0.0	55.6	44.4	0.0	0.2	20.2	29.3	50.3	0.0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0
1926	0.0	100.0	0.0	0.0	0.0	0.0	4.4	95.6	0.0	0.1	1.1	24.4	24.0	40.0	10.5	0.1	0.5	5.1	38.7	55.6	0.1	3.0	0.0	96.7	0.3	0.0	0.0	99.3	0.7	-	-	-	-
1927	-	-	-	-	0.0	0.0	0.0	0.0	100.0	0.0	1.4	15.9	26.2	38.6	17.9	0.0	0.0	8.4	36.8	54.7	0.1	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-
1928	-	-	-	-	0.0	0.0	0.0	55.9	44.1	0.1	2.8	19.5	43.0	25.7	9.0	0.0	0.0	12.3	36.7	50.8	0.2	-	-	-	-	0.0	16.8	83.2	0.0	-	-	-	-
1929	-	-	-	-	0.0	0.0	0.0	0.0	100.0	0.2	3.3	12.7	49.9	27.1	6.9	-	-	-	-	-	-	-	-	-	-	0.0	5.2	94.8	0.0	-	-	-	-
1930	-	-	-	-	0.0	4.3	0.0	67.3	28.4	0.2	3.8	14.9	41.9	32.8	6.5	0.3	1.9	0.8	36.2	60.8	0.0	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-

Table E8. Percentage species composition of products for the North Coast, 1883-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	oho	Chin	Sock	Pink	hum	oho	Chin	Sock	Pink	hum	oho	Chin	tlhd	Sock	Pink	Chum	oho	Chin	tlhd	Pink	oho	Chin	tlhd	Pink	oho	Chin	tlhd	Pink	hum	oho	Chin
1883	-	-	-	-	40.0	0.0	0.0	34.5	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	40.0	0.0	0.0	34.5	25.5	0.0	0.0	0.0	62.6	34.5	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	34.5	25.5	0.0	0.0	0.0	62.6	34.5	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1892	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1894	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1896	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1897	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1898	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1902	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1903	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1904	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1905	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1906	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1907	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1908	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1909	0.0	100.0	0.0	0.0	10.0	19.3	0.0	40.7	30.0	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	15.2	84.8	0.0	-	-	-	-
1910	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1911	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1912	-	-	-	-	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	15.2	84.8	0.0	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	0.0	15.2	84.8	0.0	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1920	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	0.0	100.0	0.0	0.0	0.0	21.5	0.0	45.2	33.3	0.0	3.5	3.0	58.6	32.3	2.7	-	-	-	-	-	-	-	-	-	-	0.0	15.2	84.8	0.0	-	-	-	-
1922	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	1.9	25.9	52.9	19.3	-	-	-	-	-	-	-	-	-	-	0.0	54.2	45.8	0.0	100.0	0.0	0.0	0.0
1924	-	-	-	-	0.0	21.5	0.0	45.2	33.3	0.0	0.0	18.8	50.2	30.9	0.1	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	94.8	0.0	0.0	5.2
1925	-	-	-	-	-	-	-	-	-	0.0	2.6	0.0	63.9	33.5	0.0	-	-	-	-	-	-	-	-	-	-	0.0	32.0	68.1	0.0	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	71.2	28.5	0.3	-	-	-	-	-	-	-	-	-	-	0.0	0.6	99.4	0.0	60.4	0.0	0.0	39.6
1927	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	46.1	53.9	0.0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	0.0	1.1	6.3	65.7	26.3	0.7	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-
1929	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	1.4	0.4	67.7	30.3	0.2	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-
1930	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	13.4	0.1	70.6	15.9	0.1	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0

Table E9. Percentage species composition of products for Rivers and Smith Inlet, 1882-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	tlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1882	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	40.0	0.0	0.0	21.0	39.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	40.0	0.0	0.0	21.0	39.0	0.1	0.0	0.0	45.9	45.8	8.2	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1902	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1903	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1904	-	-	-	-	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1905	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1906	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1907	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1908	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1909	0.0	100.0	0.0	0.0	10.0	11.9	0.0	27.3	50.8	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1910	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1911	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	3.0	0.0	96.7	0.3	-	-	-	-	-	-	-	-
1920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	-	-	-	-	-	-	-	-	-	0.1	2.5	17.5	36.7	36.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1924	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1925	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1929	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table E10. Percentage species composition of products for Johnstone Strait, 1878-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1878	-	-	-	-	40.0	0.0	0.0	7.0	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1879	-	-	-	-	40.0	0.0	0.0	7.0	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1880	-	-	-	-	40.0	0.0	0.0	7.0	53.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881	-	-	-	-	40.0	0.0	0.0	7.0	53.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883	-	-	-	-	40.0	0.0	0.0	7.0	53.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	40.0	0.0	0.0	7.0	53.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	40.0	0.0	0.0	7.0	53.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1890	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	40.0	0.0	0.0	7.0	53.0	0.0	0.0	0.0	82.0	18.0	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1902	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1903	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1904	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1905	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1906	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1907	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1908	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1909	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1910	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1911	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1912	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1915	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	0.0	6.4	93.6	0.0	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-

Table E10. Continued

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1920	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1921	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1922	1.8	98.1	0.1	0.0	-	-	-	-	-	0.0	16.1	69.5	11.8	2.6	0.0	0.5	0.0	0.0	78.7	20.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1923	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	81.6	18.4	0.0	0.0	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	100.0	0.0	0.0	0.0
1924	2.0	98.0	0.0	0.0	-	-	-	-	-	0.0	0.0	62.3	32.8	4.8	0.1	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1925	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	85.8	12.2	2.0	0.0	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1926	0.0	100.0	0.0	0.0	0.0	0.0	58.9	4.8	36.2	-	-	-	-	-	-	0.5	0.0	0.0	78.7	20.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1927	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	57.9	0.0	11.5	30.6	0.0	0.0	0.0	0.0	91.9	8.1	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1928	0.0	99.7	0.3	0.0	-	-	-	-	-	0.0	0.1	89.5	10.2	0.2	0.0	0.0	0.0	0.0	90.4	9.6	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1929	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	89.8	0.0	4.3	5.9	0.0	0.0	0.0	0.0	78.9	21.1	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1930	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	0.0	91.5	8.5	0.0	1.9	0.0	0.0	61.1	37.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-

Table E11. Percentage species composition of products for Strait of Georgia, 1883-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1884	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1885	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1886	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1888	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1890	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1891	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1902	1.0	97.5	0.0	1.5	10.0	0.0	0.0	10.6	79.4	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1903	1.0	97.5	0.0	1.5	10.0	0.0	0.0	10.6	79.4	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1904	1.0	97.5	0.0	1.5	10.0	0.0	0.0	10.6	79.4	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1905	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1906	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1907	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1908	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1909	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1910	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1911	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1912	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1913	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1914	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1915	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	95.3	4.7	0.0	6.4	93.6	0.0	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1920	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1921	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1922	1.0	97.5	0.0	1.5	-	-	-	-	-	0.0	0.0	0.0	97.2	2.8	0.0	0.0	0.0	12.8	53.3	33.8	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1923	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	99.3	0.8	0.0	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1924	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1925	3.1	92.4	0.0	4.5	-	-	-	-	-	0.0	0.0	0.0	####	0.0	0.0	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1926	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	12.8	53.3	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1927	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	70.7	29.3	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1928	0.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	####	0.0	0.0	0.0	0.0	40.1	26.1	33.8	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1929	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	59.7	40.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-
1930	0.0	100.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	63.9	36.1	0.0	-	-	-	-	-	-	-	-	-	-	-	-

Table E12. Percentage species composition of products for Juan de Fuca Strait, 1877-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1877	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1878	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1879	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1880	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1881	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1882	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886	-	-	-	-	-	-	-	-	-	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1888	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1889	-	-	-	-	-	-	-	-	-	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1892	-	-	-	-	-	-	-	-	-	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	40.0	0.0	0.0	7.1	53.0	1.7	0.0	0.0	19.9	75.4	3.0	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	0.0	0.0	10.6	79.4	1.9	28.8	13.7	13.1	40.1	2.4	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1902	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	0.9	0.0	16.6	80.7	1.8	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1903	-	-	-	-	10.0	0.0	0.0	10.6	79.4	1.9	28.8	13.7	13.1	40.1	2.4	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1904	0.0	97.6	0.0	2.4	10.0	0.0	0.0	10.6	79.4	0.0	0.9	0.0	16.6	80.7	1.8	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1905	0.0	97.6	0.0	2.4	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1906	0.0	97.6	0.0	2.4	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1907	0.0	97.6	0.0	2.4	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1908	0.0	97.6	0.0	2.4	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1909	0.0	97.6	0.0	2.4	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1910	0.0	97.6	0.0	2.4	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1911	0.0	97.6	0.0	2.4	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1912	0.0	97.6	0.0	2.4	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	0.0	0.0	0.0	16.8	82.4	0.9	-	-	-	-	-	-	-	-	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1920	-	-	-	-	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-

Table E12. Continued

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1921	0.0	97.6	0.0	2.4	-	-	-	-	-	1.9	28.8	13.7	13.1	40.1	2.4	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1922	-	-	-	-	-	-	-	-	-	0.0	0.9	0.0	16.6	80.7	1.8	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	0.0	5.6	94.4	0.0	-	-	-	-
1923	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	4.9	95.1	0.0	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1924	0.0	97.6	0.0	2.4	-	-	-	-	-	0.0	0.0	0.0	8.4	91.6	0.0	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1925	0.0	0.0	0.0	100.0	-	-	-	-	-	3.2	45.9	0.3	7.0	40.8	2.8	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	-	-	-	-
1926	-	-	-	-	-	-	-	-	-	0.0	0.7	0.0	17.3	79.0	3.0	0.0	0.0	0.0	16.8	82.4	0.9	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	0.0	18.9	0.0	15.8	63.0	2.4	0.0	0.0	0.0	5.2	93.6	1.2	-	-	-	-	0.0	0.0	99.9	0.1	-	-	-	-
1928	-	-	-	-	-	-	-	-	-	0.0	3.6	0.0	25.5	67.8	3.1	0.0	0.0	0.0	20.9	78.3	0.8	-	-	-	-	0.0	14.8	85.2	0.0	-	-	-	-
1929	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	1.4	48.8	27.5	20.3	2.0	0.0	0.0	0.0	23.6	75.4	1.0	-	-	-	-	0.0	11.0	89.0	0.0	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	22.8	75.3	2.0	0.0	0.0	0.0	9.0	90.8	0.2	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-

Table E13. Percentage species composition of products for the West Coast of Vancouver Island, 1887-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1887	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888	-	-	-	-	40.0	0.0	0.0	7.1	53.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	-	-	-	-	40.0	0.0	0.0	7.1	53.0	0.0	0.0	0.0	30.1	68.9	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1902	0.0	100.0	0.0	0.0	10.0	0.0	0.0	10.6	79.4	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1903	0.0	100.0	0.0	0.0	10.0	0.0	0.0	10.6	79.4	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1904	-	-	-	-	10.0	0.0	0.0	10.6	79.4	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1905	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1906	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1907	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1908	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1909	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	-	-	-	-	-	-	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1910	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1911	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1912	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1913	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1914	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	0.0	0.0	95.3	4.7	0.0	7.2	92.8	0.0	-	-	-	-
1915	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	7.2	92.8	0.0	-	-	-	-
1916	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	7.2	92.8	0.0	-	-	-	-
1917	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	0.0	0.0	95.3	4.7	-	-	-	-	-	-	-	-
1919	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	0.0	0.0	95.3	4.7	0.0	7.2	92.8	0.0	-	-	-	-
1920	0.0	100.0	0.0	0.0	10.0	0.0	0.0	10.6	79.4	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	0.0	0.0	95.3	4.7	0.0	7.2	92.8	0.0	-	-	-	-
1921	0.0	100.0	0.0	0.0	10.0	0.0	0.0	10.6	79.4	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	7.2	92.8	0.0	-	-	-	-
1922	0.0	100.0	0.0	0.0	10.0	0.0	0.0	10.6	79.4	0.0	0.8	31.7	20.3	46.5	0.7	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	7.2	92.8	0.0	-	-	-	-
1923	0.0	100.0	0.0	0.0	0.0	0.0	0.0	59.8	40.2	0.0	0.0	97.3	1.6	1.1	0.0	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
1924	0.0	1.0	0.0	0.0	-	-	-	-	-	0.0	0.0	91.8	8.2	0.0	0.0	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	7.2	92.8	0.0	0.0	100.0	0.0	0.0
1925	0.0	1.0	0.0	0.0	-	-	-	-	-	0.0	0.0	2.9	97.0	0.2	0.0	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	0.0	100.0	0.0	1.2	89.1	1.2	8.4
1926	0.0	1.0	0.0	0.0	-	-	-	-	-	0.0	0.0	34.6	6.9	58.5	0.0	0.0	0.9	5.6	24.3	69.2	0.0	-	-	-	-	0.0	0.0	100.0	0.0	11.3	88.8	0.0	0.0
1927	0.0	1.0	0.0	0.0	-	-	-	-	-	0.0	0.0	0.3	22.5	76.9	0.3	0.0	0.0	15.9	11.6	72.4	0.0	-	-	-	-	0.0	2.1	97.9	0.0	0.0	100.0	0.0	0.0
1928	0.0	100.0	0.0	0.0	0.0	0.0	0.0	2.5	97.5	0.0	0.0	3.8	33.4	62.8	0.0	0.0	0.0	0.0	30.1	69.9	0.0	-	-	-	-	-	-	-	-	22.6	65.4	12.0	0.0
1929	0.0	100.0	0.0	0.0	0.0	0.0	0.0	59.2	44.8	0.0	0.3	10.4	9.8	79.4	0.2	0.0	0.0	0.0	36.9	63.1	0.0	-	-	-	-	0.0	13.7	86.4	0.0	0.0	84.5	15.5	0.0
1930	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	5.4	8.5	54.4	26.9	4.9	0.0	0.0	1.3	25.6	70.2	0.0	-	-	-	-	0.0	19.7	80.3	0.0	0.0	97.1	2.9	0.0

Table E14. Percentage species composition of products for the Fraser River, 1876-1930.

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1828	-	-	-	-	0.0	0.0	0.0	85.0	15.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1829-1859	-	-	-	-	80.0	0.0	0.0	15.0	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1860-1875	-	-	-	-	40.0	0.0	0.0	28.4	31.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1876	-	-	-	-	40.0	0.0	0.0	28.4	31.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1877	-	-	-	-	40.0	0.0	0.0	28.4	31.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1878	-	-	-	-	40.0	0.0	0.0	28.4	31.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1879	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1880	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1883	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1884	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1885	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1886	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1887	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1888	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1889	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1890	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1891	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1892	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1893	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1894	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1895	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1896	-	-	-	-	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1897	0.0	100.0	0.0	0.0	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1898	0.0	100.0	0.0	0.0	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1899	0.0	100.0	0.0	0.0	40.0	0.0	0.0	28.4	31.6	0.7	0.0	0.0	11.0	87.2	1.1	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1900	0.0	100.0	0.0	0.0	40.0	0.0	0.0	28.4	31.6	0.1	0.0	0.0	19.3	79.2	1.4	-	-	-	-	-	-	0.0	0.0	100.0	0.0	-	-	-	-	-	-	-	-
1901	19.4	76.8	0.0	3.8	10.0	0.0	0.0	42.6	47.4	0.6	1.4	9.7	9.8	77.5	1.0	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1902	0.1	99.9	0.0	0.0	10.0	0.0	0.0	42.6	47.4	0.0	0.1	13.4	16.7	68.5	1.2	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1903	19.4	76.8	0.0	3.8	10.0	0.0	0.0	42.6	47.4	0.6	1.4	9.7	9.8	77.5	1.0	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1904	0.1	99.9	0.0	0.0	10.0	0.0	0.0	42.6	47.4	0.0	0.1	13.4	16.7	68.5	1.2	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1905	19.4	76.8	0.0	3.8	10.0	0.0	0.0	42.6	47.4	0.6	1.4	9.7	9.8	77.5	1.0	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1906	0.1	99.9	0.0	0.0	10.0	0.0	0.0	42.6	47.4	0.0	0.1	13.4	16.7	68.5	1.2	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1907	19.4	76.8	0.0	3.8	-	-	-	-	-	0.6	1.4	9.7	9.8	77.5	1.0	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1908	0.1	99.9	0.0	0.0	-	-	-	-	-	0.0	0.1	13.4	16.7	68.5	1.2	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1909	19.4	76.8	0.0	3.8	-	-	-	-	-	0.6	1.4	9.7	9.8	77.5	1.0	-	-	-	-	-	-	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1910	0.1	99.9	0.0	0.0	-	-	-	-	-	0.0	0.1	13.4	16.7	68.5	1.2	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1911	19.4	76.8	0.0	3.8	-	-	-	-	-	0.6	1.4	9.7	9.8	77.5	1.0	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1912	0.1	99.9	0.0	0.0	-	-	-	-	-	0.0	0.1	13.4	16.7	68.5	1.2	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	3.0	7.5	89.5	0.0	-	-	-	-
1913	19.4	76.8	0.0	3.8	-	-	-	-	-	0.6	1.4	9.7	9.8	77.5	1.0	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	3.0	7.5	89.5	0.0	-	-	-	-
1914	0.1	99.9	0.0	0.0	0.0	0.0	0.0	47.3	52.7	0.0	0.1	13.4	16.7	68.5	1.2	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	3.0	7.5	89.5	0.0	-	-	-	-
1915	19.4	76.8	0.0	3.8	0.0	0.0	0.0	47.3	52.7	0.6	1.4	9.7	9.8	77.5	1.0	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1916	0.1	99.9	0.0	0.0	-	-	-	-	-	0.0	0.1	13.4	16.7	68.5	1.2	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	3.0	7.5	89.5	0.0	-	-	-	-
1917	19.4	76.8	0.0	3.8	-	-	-	-	-	0.6	1.4	9.7	9.8	77.5	1.0	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1918	-	-	-	-	-	-	-	-	-	0.0	0.1	13.4	16.7	68.5	1.2	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	3.0	7.5	89.5	0.0	-	-	-	-
1919	-	-	-	-	-	-	-	-	-	0.6	1.4	9.7	9.8	77.5	1.0	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-

Table E14. Continued

Year	Dry Salted				Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)						Smoked				Mild Cured				Bait			
	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Sock	Pink	Chum	Coho	Chin	Stlhd	Sock	Pink	Chum	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Coho	Chin	Stlhd	Pink	Chum	Coho	Chin
1920	0.1	99.9	0.0	0.0	0.0	0.0	0.0	47.3	52.7	0.0	0.1	13.4	16.7	68.5	1.2	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	3.0	7.5	89.5	0.0	-	-	-	-
1921	19.4	76.8	0.0	3.8	-	-	-	-	-	0.8	1.4	9.7	9.8	77.5	1.0	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	3.0	7.5	89.5	0.0	-	-	-	-
1922	0.1	99.9	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.1	13.4	16.7	68.5	1.2	0.1	0.5	5.1	38.7	55.6	0.1	3.2	0.0	96.8	0.0	-	-	-	-	-	-	-	-
1923	33.8	66.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.7	8.2	16.4	74.2	0.5	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	3.5	93.1	2.8	0.6
1924	0.2	99.8	0.0	0.0	0.0	0.0	0.0	51.7	48.3	0.0	0.0	43.9	14.2	40.8	1.1	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	-	-	-	-
1925	5.4	83.0	0.0	11.6	-	-	-	-	-	0.0	0.0	0.2	5.4	94.0	0.5	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	-	-	-	-
1926	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	1.0	6.9	91.6	0.5	0.1	0.5	5.1	38.7	55.6	0.1	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	-	-	-	-
1927	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	8.3	15.8	74.4	1.6	0.0	0.0	8.4	36.8	54.7	0.1	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	-	-	-	-
1928	0.0	100.0	0.0	0.0	-	-	-	-	-	0.0	0.0	13.3	31.8	52.7	2.3	0.0	0.0	12.3	36.7	50.8	0.2	19.6	0.0	80.4	0.0	0.0	23.9	76.1	0.0	-	-	-	-
1929	0.0	100.0	0.0	0.0	-	-	-	-	-	2.2	4.9	30.1	16.3	44.7	1.9	0.0	0.0	0.0	45.1	54.7	0.1	0.0	0.0	100.0	0.0	11.6	17.6	70.9	0.0	-	-	-	-
1930	0.0	100.0	0.0	0.0	-	-	-	-	-	0.3	0.7	21.0	33.2	42.5	2.4	5.6	8.3	16.4	15.2	52.6	2.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	-	-	-	-

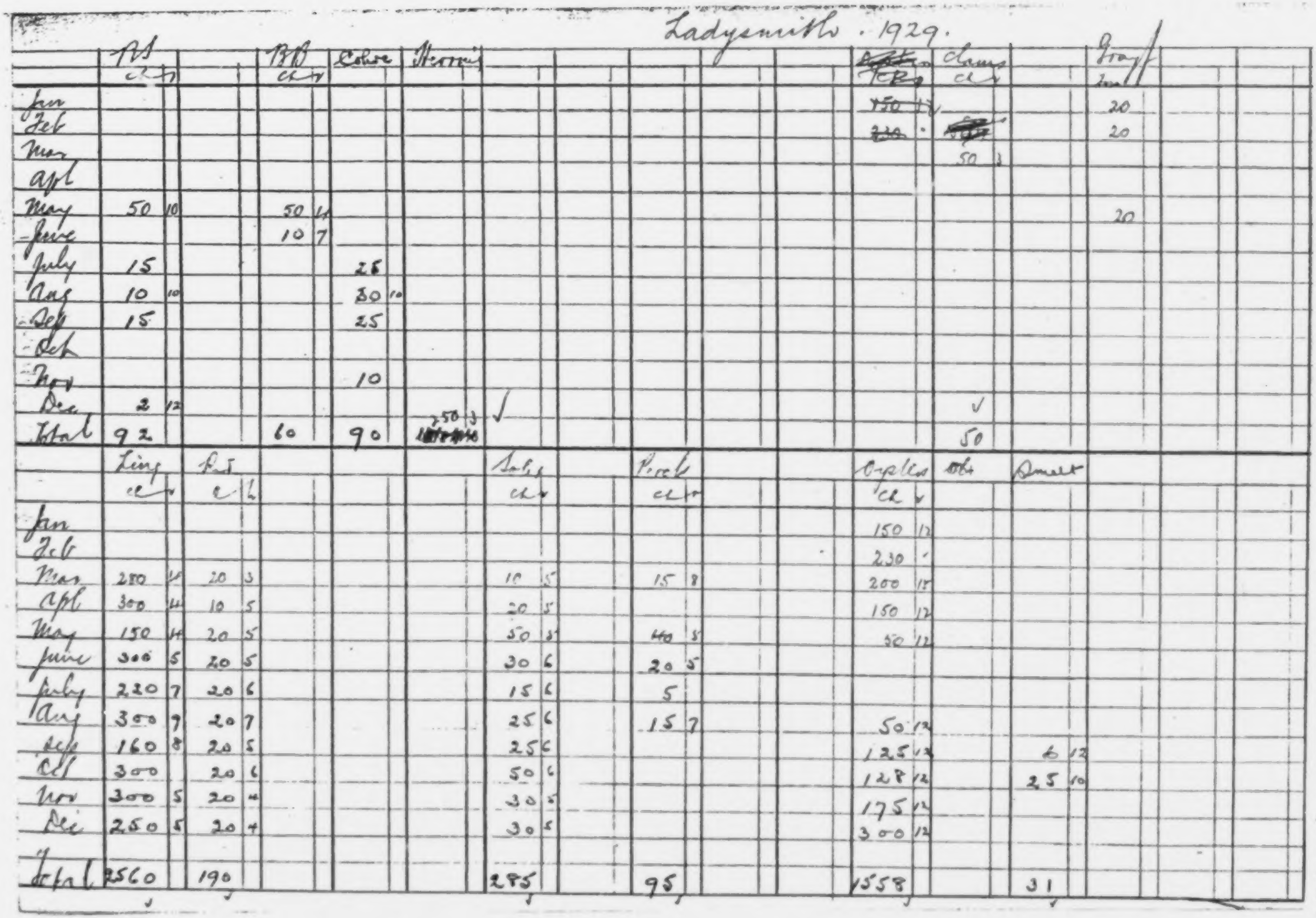
Table E15. Amounts (cwt) of fresh/frozen salmon and steelhead prepared by fishermen (recorded on Schedule IIs) and companies (recorded on Supplemental Schedules) for those areas where fishermen were reported to have prepared fresh/frozen salmon.[a]

		Skeena River	Johnstone Strait	Strait of Georgia	Juan de Fuca Strait	West Coast Vancouver Is.	District III	Fraser River
1923	Fishermen	3,643	14,111	9,825	902	37,699	62,537	49,173
	Companies	34,151	1,610	401	408	13,351	15,770	58,829
	Total	37,794	15,721	10,226	1,310	51,050	78,307	108,002
	% Fishermen	9.64%	89.76%	96.08%	68.85%	73.85%	79.86%	45.53%
1924	Fishermen	2,549	16,726	6,364	2,061	37,714	62,865	32,943
	Companies	30,477	751	0	1,433	1,075	3,259	136,911
	Total	33,026	17,477	6,364	3,494	38,789	66,124	169,854
	% Fishermen	7.72%	95.70%	100.00%	58.99%	97.23%	95.07%	19.39%
1925	Fishermen	0	8,008	8,640	2,122	34,440	53,210	NA
	Companies	39,161	1,564	187	4,073	2,119	7,943	101,654
	Total	39,161	9,572	8,827	6,195	36,559	61,153	101,654
	% Fishermen	0.00%	83.66%	97.88%	34.25%	94.20%	87.01%	
1926	Fishermen	656	17,054	9,043	6,554	36,076	68,727	11,667
	Companies	36,378	0	0	919	6,559	7,478	60,247
	Total	37,034	17,054	9,043	7,473	42,635	76,205	71,914
	% Fishermen	1.77%	100.00%	100.00%	87.70%	84.62%	90.19%	16.22%
1927	Fishermen	1,051	8,283	13,681	5,228	35,653	62,845	NA
	Companies	31,635	1,013	7	381	6,526	7,927	103,227
	Total	32,686	9,296	13,688	5,609	42,179	70,772	103,227
	% Fishermen	3.22%	89.10%	99.95%	93.21%	84.53%	88.80%	
1928	Fishermen	5,684	7,488	14,461	8,799	12,396	43,144	NA
	Companies	45,044	19,237	50	674	12,356	32,317	123,726
	Total	50,728	26,725	14,511	9,473	24,752	75,461	123,726
	% Fishermen	11.20%	28.02%	99.66%	92.89%	50.08%	57.17%	
1929	Fishermen	0	15,662	8,491	6,634	26,174	56,961	31,881
	Companies	36,692	6,903	0	1,706	8,256	16,865	60,454
	Total	36,692	22,565	8,491	8,340	34,430	73,826	92,335
	% Fishermen	0.00%	69.41%	100.00%	79.54%	76.02%	77.16%	34.53%
1930	Fishermen	1,704	11,493	8,477	2,721	40,092	62,783	19,928
	Companies	60,769	695	0	520	7,581	8,796	96,120
	Total	62,473	12,188	8,477	3,241	47,673	71,579	116,048
	% Fishermen	2.73%	94.30%	100.00%	83.96%	84.10%	87.71%	17.17%
Total[b]	Fishermen	9,603	97,021	78,982	35,021	260,244	471,268	145,592
	Companies	392,989	57,580	645	10,114	57,823	126,162	514,215
	Total	402,592	154,601	79,627	45,135	318,067	597,430	659,807
	% Fishermen	2.39%	62.76%	99.19%	77.59%	81.82%	78.88%	22.07%

a. Source: Total fresh/frozen from DBS reports; fresh/frozen prepared by Fishermen from Schedule II forms; Companies fresh/frozen by subtraction.

b. Fraser totals exclude 1925, 1927 and 1928.

Table E16. Working table showing the fresh salmon prepared by fishermen operating in DBS area Separation Point to Nanaimo in 1929. Salmon are listed under "RS" for red spring, "BB" for blueback (small coho), and "Cohoe" for coho. The annual totals for salmon and the other species agree with the annual totals on the Schedule II for this area (Table E 17).

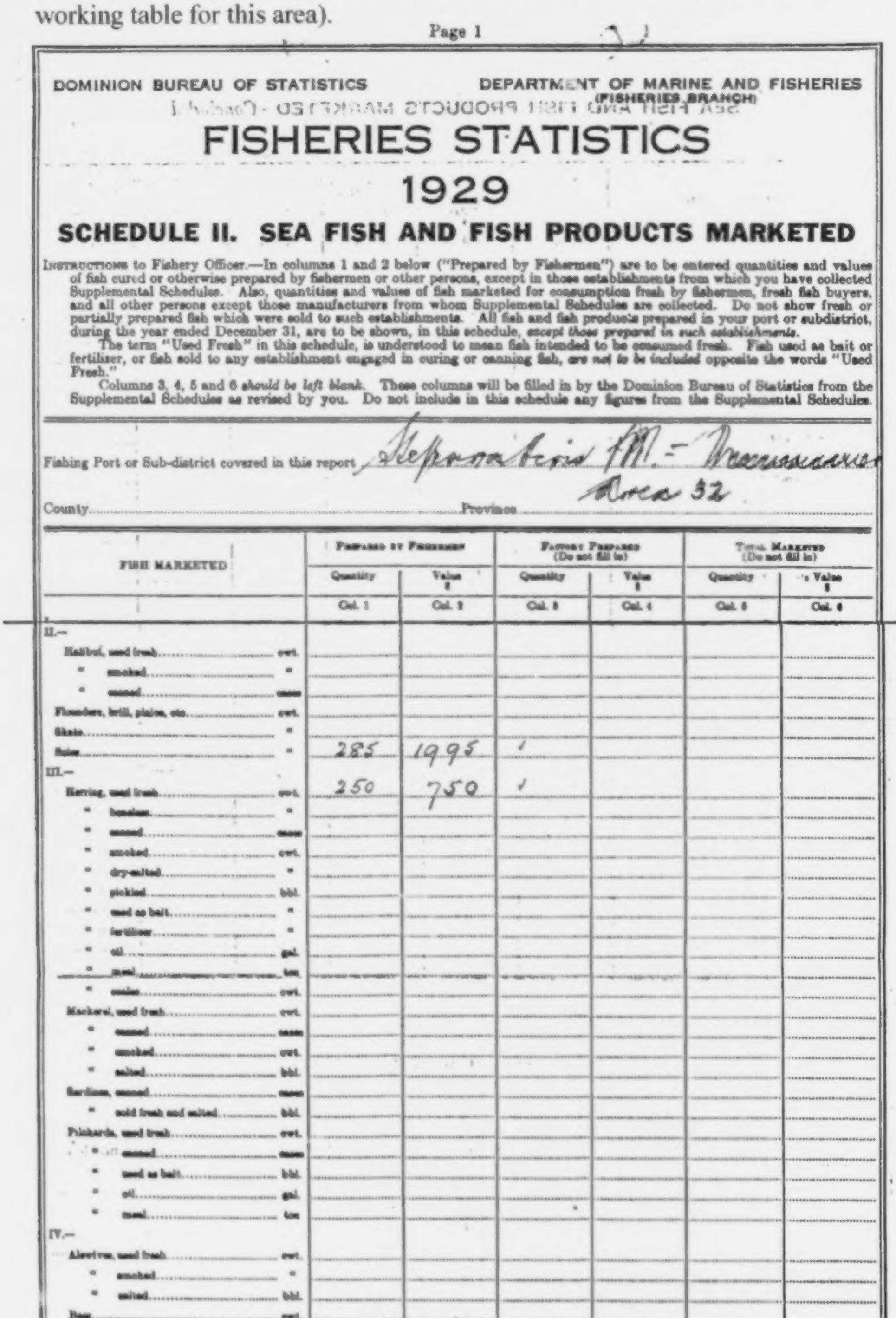


Ladysmith. 1929.

	RS		BB		Cohoe		Herring			~~[illegible]~~ [illegible]		Clams		Gray
	cl		cl									cl		
Jan										~~150~~	12			20
Feb										~~230~~		~~[illegible]~~		20
Mar												50	3	
Apl														
May	50	10	50	14										20
June			10	7										
July	15				25									
Aug	10	10			30	10								
Sep	15				25									
Oct														
Nov					10									
Dec	2	12							√			√		
Total	92		60		90		250 ~~[illegible]~~	3				50		

	Ling		R.S		Sole		Perch		Oysters		oth	Smelt	
	cl		c	l	cl		cl		cl				
Jan									150	12			
Feb									230				
Mar	280	14	20	3	10	5	15	8	200	15			
Apl	300	14	10	5	20	5			150	12			
May	150	14	20	5	50	5	40	5	50	12			
June	300	5	20	5	30	6	20	5					
July	220	7	20	6	15	6	5						
Aug	350	7	20	7	25	6	15	7	50	12			
Sep	160	8	20	5	25	6			125	12		6	12
Oct	300		20	6	50	6			128	12		25	10
Nov	300	5	20	4	30	5			175	12			
Dec	250	5	20	4	30	5			300	12			
Total	2560		190		285		95		1558			31	

Table E17. First page of Schedule II for DBS area Separation Point to Nanaimo. Cwt of salmon and other species prepared by fishermen are the same values as those found in Table E16 (the working table for this area).



Page 1

DOMINION BUREAU OF STATISTICS

DEPARTMENT OF MARINE AND FISHERIES
(FISHERIES BRANCH)

FISHERIES STATISTICS

1929

SCHEDULE II. SEA FISH AND FISH PRODUCTS MARKETED

INSTRUCTIONS to Fishery Officer.—In columns 1 and 2 below ("Prepared by Fishermen") are to be entered quantities and values of fish cured or otherwise prepared by fishermen or other persons, except in those establishments from which you have collected Supplemental Schedules. Also, quantities and values of fish marketed for consumption fresh by fishermen, fresh fish buyers, and all other persons except those manufacturers from whom Supplemental Schedules are collected. Do not show fresh or partially prepared fish which were sold to such establishments. All fish and fish products prepared in your port or subdistrict, during the year ended December 31, are to be shown, in this schedule, *except those prepared in such establishments.*

The term "Used Fresh" in this schedule, is understood to mean fish intended to be consumed fresh. Fish used as bait or fertiliser, or fish sold to any establishment engaged in curing or canning fish, *are not to be included* opposite the words "Used Fresh."

Columns 3, 4, 5 and 6 *should be left blank.* These columns will be filled in by the Dominion Bureau of Statistics from the Supplemental Schedules as revised by you. Do not include in this schedule any figures from the Supplemental Schedules.

Fishing Port or Sub-district covered in this report Separation Pt. – Nanaimo
Area 32

County............ Province............

FISH MARKETED		PREPARED BY FISHERMEN		FACTORY PREPARED (Do not fill in)		TOTAL MARKETED (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
II.—							
Halibut, used fresh	cwt.						
" smoked	"						
" canned	case						
Flounders, brill, plaice, etc.	cwt.						
Skate	"						
Soles	"	285	1995	✓			
III.—							
Herring, used fresh	cwt.	250	750	✓			
" boneless	"						
" canned	case						
" smoked	cwt.						
" dry-salted	"						
" pickled	bbl.						
" used as bait	"						
" fertiliser	"						
" oil	gal.						
" meal	ton						
" scales	cwt.						
Mackerel, used fresh	cwt.						
" canned	case						
" smoked	cwt.						
" salted	bbl.						
Sardines, canned	case						
" sold fresh and salted	bbl.						
Pilchards, used fresh	cwt.						
" canned	case						
" used as bait	bbl.						
" oil	gal.						
" meal	ton						
IV.—							
Alewives, used fresh	cwt.						
" smoked	"						
" salted	bbl.						
Bass	cwt.						
Perch	"	95	865	✓			
Salmon, used fresh	"	242	2178				
" canned	case						
" smoked	cwt.						
" dry-salted	"						
" mild cured	"						
" pickled	"						

(OVER)

Table E18. Species composition for fresh/frozen salmon and steelhead prepared by fishermen, 1927-1930.[a]

Area	Year	Total Weight (cwt)	Percentage Sampled[b]	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Sum
JOHNSTONE STRAIT	**1927**	8,283	47.08	0.00	0.00	0.00	91.90	8.10	0.00	100.00
	1928	7,488	85.98	0.00	0.00	0.00	90.40	9.60	0.00	100.00
	1929	15,662	67.68	0.00	0.00	0.00	78.90	21.10	0.00	100.00
	1930	11,493	79.48	1.90	0.00	0.00	61.10	37.00	0.00	100.00
	Weighted Average			0.51	0.00	0.00	78.65	20.84	0.00	100.00
STRAIT OF GEORGIA	**1927**	13,681	99.99	0.00	0.00	0.00	70.70	29.30	0.00	100.00
	1928	14,461	82.60	0.00	0.00	40.10	26.10	33.80	0.00	100.00
	1929	5,884	99.07	0.00	0.00	0.00	59.70	40.20	0.10	100.00
	1930	11,277	74.02	0.00	0.00	0.00	63.90	36.10	0.00	100.00
	Weighted Average			0.00	0.00	12.80	53.33	33.84	0.03	100.01
JUAN DE FUCA STRAIT	**1927**	5,228	100.00	0.00	0.00	0.00	5.20	93.60	1.20	100.00
	1928	8,799	100.51	0.00	0.00	0.00	20.90	78.30	0.80	100.00
	1929	6,634	99.65	0.00	0.00	0.00	23.60	75.40	1.00	100.00
	1930	2,721	100.00	0.00	0.00	0.00	9.00	90.80	0.20	100.00
	Weighted Average			0.00	0.00	0.00	16.77	82.35	0.88	100.00
WEST COAST VANCOUVER ISLAND	**1927**	35,653	84.18	0.00	0.00	15.90	11.60	72.40	0.10	100.00
	1928	13,746	86.05	0.00	0.00	0.00	30.10	69.90	0.00	100.00
	1929	26,174	139.38	0.00	0.00	0.00	36.90	63.10	0.00	100.00
	1930	33,092	110.10	0.00	2.90	1.30	25.60	70.20	0.00	100.00
	Weighted Average			0.00	0.88	5.61	24.30	69.17	0.03	100.00
DISTRICT III	**1927**	62,845	91.02	0.00	0.00	8.40	36.80	54.70	0.10	100.00
	1928	44,494	87.78	0.00	0.00	12.25	36.74	50.83	0.18	100.00
	1929	54,354	109.51	0.00	0.00	0.00	45.14	54.74	0.12	100.00
	1930	58,583	96.68	0.30	1.90	0.80	36.20	60.80	0.00	100.00
	Weighted Average			0.08	0.51	5.08	38.69	55.55	0.09	100.00

a. Source: Working tables from DMF files 5871-1 to 5871-4; the contents and location of these files are described in Appendix A.

b. This is the percentage of Schedule II fresh/frozen salmon that is represented by fresh/frozen salmon recorded on working tables in DMF files (i.e. "Total Weight" in the table).

Table E19. Percentage species composition of products prepared by fishing companies between 1923 and 1930. Product amounts (in cwt) are sums of annual values.[a]

Area		Dry Salted				Pickled				Fresh/Frozen (companies)					
		Pink	Chum	Coho	Chinook	Pink	Chum	Coho	Chinook	Sockeye	Pink	Chum	Coho	Chinook	Stlhd
QUEEN CHARLOTTES	Wt	0	240,078	0	0	-	-	-	-	-	-	-	-	-	-
	%	0.00%	100.00%	0.00%	0.00%										
NASS RIVER	Wt	0	14,689	0	0	-	-	-	-	-	-	-	-	-	-
	%	0.00%	100.00%	0.00%	0.00%										
SKEENA RIVER	Wt	1,450	4,948	0	0	257	0	721	3,008	206	7,430	57,626	104,741	112,582	21,096
	%	22.66%	77.34%	0.00%	0.00%	6.45%	0.00%	18.09%	75.47%	0.07%	2.45%	18.98%	34.49%	37.07%	6.95%
NORTH COAST	Wt	0	7,980	0	0	707	0	1,487	1,096	0	1,057	897	17,824	9,831	817
	%	0.00%	100.00%	0.00%	0.00%	21.49%	0.00%	45.20%	33.31%	0.00%	3.47%	2.95%	58.58%	32.31%	2.69%
RIVERS/SMITH INS.	Wt	0	4,062	0	0	-	-	-	-	-	-	-	-	-	-
	%	0.00%	100.00%	0.00%	0.00%										
DISTRICT II TOTAL	Wt	1,450	257,068	0	0	964	0	2,208	4,104	206	8,487	58,523	122,564	122,414	21,913
	%	0.56%	99.44%	0.00%	0.00%	13.25%	0.00%	30.34%	56.41%	0.06%	2.54%	17.52%	36.68%	36.64%	6.56%
JOHNSTONE STRAIT	Wt	1,429	76,467	48	0	-	-	-	-	0	6,306	27,211	4,622	1,017	1
	%	1.83%	98.11%	0.06%	0.00%					0.00%	16.10%	69.49%	11.80%	2.60%	0.00%
STRAIT of GEORGIA	Wt	768	74,900	0	1,128	0	6,500	0	0	0	0	398	240	7	0
	%	1.00%	97.53%	0.00%	1.47%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	61.71%	37.21%	1.09%	0.00%
JUAN DE FUCA[b]	Wt	0	4,077	0	100	-	-	-	-	117	1,802	843	1,349	5,113	205
	%	0.00%	97.61%	0.00%	2.39%					1.24%	19.11%	8.94%	14.31%	54.23%	2.17%
W COAST. VAN. IS.	Wt	0	326,346	0	0	0	0	532	3,997	0	404	16,588	10,648	24,362	375
	%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	11.75%	88.25%	0.00%	0.77%	31.67%	20.33%	46.51%	0.72%
DISTRICT III TOTAL	Wt	2,197	481,790	48	1,228	0	6,500	532	3,997	117	8,512	45,040	16,859	30,499	581
	%	0.45%	99.28%	0.01%	0.25%	0.00%	58.94%	4.82%	36.24%	0.12%	8.38%	44.33%	16.59%	30.02%	0.57%
FRASER R. TOTAL	Wt	19,166	203,882	0	3,767	0	0	230	256	1,040	2,345	31,561	35,875	205,981	3,037
	%	8.45%	89.89%	0.00%	1.66%	0.00%	0.00%	47.33%	52.67%	0.37%	0.84%	11.28%	12.82%	73.61%	1.09%
FRASER R. odd yr	Wt	19,038	75,559	0	3,767	-	-	-	-	-	2,216	15,231	15,437	122,271	1,541
	%	19.35%	76.82%	0.00%	3.83%						1.41%	9.66%	9.79%	77.54%	0.98%
FRASER R. even yr	Wt	128	128,323	0	0	-	-	-	-	-	129	16,330	20,438	83,710	1,496
	%	0.10%	99.90%	0.00%	0.00%						0.11%	13.37%	16.73%	68.53%	1.22%
B. C. TOTAL	Wt	22,813	957,429	48	4,995	964	6,500	2,970	8,357	1,363	19,272	146,305	175,238	358,653	30,551
	%	2.32%	97.17%	0.00%	0.51%	5.13%	34.59%	15.81%	44.47%	0.19%	2.63%	20.00%	23.96%	49.04%	4.18%

Table E19. Continued

Area		Smoked			Mild Cured				Bait			
		Pink	Chinook	Stlhd	Pink	Coho	Chinook	Stlhd	Pink	Chum	Coho	Chinook
QUEEN CHARLOTTES	Wt	-	-	-	-	-	-	-	36	0	0	0
	%								100.00%	0.00%	0.00%	0.00%
NASS RIVER	Wt	-	-	-	-	-	-	-	-	-	-	-
SKEENA RIVER	Wt	-	-	-	0	2,296	108,123	41	262	0	0	0
	%				0.00%	2.08%	97.88%	0.04%	100.00%	0.00%	0.00%	0.00%
NORTH COAST	Wt	-	-	-	0	1,930	10,763	0	2,271	0	0	125
	%				0.00%	15.21%	84.79%	0.00%	94.80%	0.00%	0.00%	5.20%
RIVERS/SMITH INS.	Wt	-	-	-	-	-	-	-	-	-	-	-
DISTRICT II TOTAL	Wt	-	-	-	0	4,226	118,885	41	2,569	0	0	125
	%				0.00%	3.43%	96.54%	0.03%	95.37%	0.00%	0.00%	4.63%
JOHNSTONE STRAIT	Wt	-	-	-	-	-	-	-	10	0	0	0
	%								100.00%	0.00%	0.00%	0.00%
STRAIT of GEORGIA	Wt	-	-	-	-	-	-	-	-	-	-	-
JUAN DE FUCA	Wt	0	204	10	0	1,226	20,819	3	-	-	-	-
	%	0.00%	95.33%	4.67%	0.00%	5.56%	94.43%	0.01%				
W COAST. VAN. IS.	Wt	-	-	-	0	1,448	18,569	0	229	6,359	194	41
	%				0.00%	7.23%	92.77%	0.00%	3.36%	93.20%	2.84%	0.60%
DISTRICT III TOTAL	Wt	0	204	10	0	2,674	39,388	3	239	6,359	194	41
	%	0.00%	95.33%	4.67%	0.00%	6.36%	93.64%	0.01%	3.50%	93.06%	2.84%	0.60%
FRASER R. TOTAL	Wt	105	3,196	0	808	2,045	24,270	0	-	-	-	-
	%	3.18%	96.82%	0.00%	2.98%	7.54%	89.48%	0.00%				
B. C. TOTAL	Wt	105	3,400	10	808	8,945	173,277	44	2,808	6,359	194	166
	%	2.99%	96.73%	0.28%	0.44%	4.89%	94.65%	0.02%	29.48%	66.75%	2.04%	1.74%

a. Source: Supplemental Schedules.

b. Species composition for Fresh/Frozen salmon by companies were substantially different between odd and even years in Juan de Fuca Strait; odd and (even) year averages were, sockeye 1.90% (0.00%), pink 28.83% (0.93%), chum 13.73% (0.00%), coho 13.07% (16.61%), chinook 40.09% (80.66%), steelhead 2.38% (1.80%).

Table E20. Percentage species composition of pickled and fresh/frozen salmon prepared by fishing companies prior to 1910.[a]

Area		Years	Product	Sockeye	Pink	Chum	Coho	Chinook	Steelhd	Sum
QUEEN CHARLOTTE ISLANDS		Before 1901[b]	Pickled	10.00	0.00	0.00	31.48	58.52	0.00	100.00
		Before 1901[b]	Fresh/Frozen	0.08	0.00	0.00	45.89	45.83	8.20	100.00
		1901-1909[b]	Pickled	10.00	11.92	0.00	27.31	50.77	0.00	100.00
NASS RIVER		Before 1901[b]	Pickled	40.00	0.00	0.00	20.99	39.01	0.00	100.00
		Before 1901[b]	Fresh/Frozen	0.08	0.00	0.00	45.89	45.83	8.20	100.00
		1901-1909[b]	Pickled	10.00	11.92	0.00	27.31	50.77	0.00	100.00
SKEENA RIVER		Before 1901	Pickled	40.00	0.00	0.00	11.59	48.41	0.00	100.00
		Before 1901	Fresh/Frozen	0.08	0.00	0.00	43.90	47.18	8.84	100.00
		1901-1909	Pickled	10.00	5.80	0.00	16.28	67.92	0.00	100.00
NORTH COAST		Before 1901	Pickled	40.00	0.00	0.00	34.54	25.46	0.00	100.00
		Before 1901	Fresh/Frozen	0.00	0.00	0.00	62.60	34.53	2.87	100.00
		1901-1909	Pickled	10.00	19.34	0.00	40.68	29.98	0.00	100.00
RIVERS & SMITH INLETS		Before 1901[b]	Pickled	40.00	0.00	0.00	20.99	39.01	0.00	100.00
		Before 1901[b]	Fresh/Frozen	0.08	0.00	0.00	45.89	45.83	8.20	100.00
		1901-1909[b]	Pickled	10.00	11.92	0.00	27.31	50.77	0.00	100.00
JOHNSTONE STRAIT		Before 1901[c]	Pickled	40.00	0.00	0.00	7.05	52.95	0.00	100.00
		Before 1901	Fresh/Frozen	0.00	0.00	0.00	81.96	18.03	0.02	100.01
		1901-1909[c]	Pickled	10.00	0.00	0.00	10.57	79.43	0.00	100.00
STRAIT of GEORGIA		Before 1901[c]	Pickled	40.00	0.00	0.00	7.05	52.95	0.00	100.00
		Before 1901	Fresh/Frozen	0.00	0.00	0.00	97.17	2.83	0.00	100.00
		1901-1909[c]	Pickled	10.00	0.00	0.00	10.57	79.43	0.00	100.00
JUAN DE FUCA STRAIT		Before 1901[c]	Pickled	40.00	0.00	0.00	7.05	52.95	0.00	100.00
		Before 1901	Fresh/Frozen	1.72	0.00	0.00	19.89	75.37	3.02	100.00
		1901-1909[c]	Pickled	10.00	0.00	0.00	10.57	79.43	0.00	100.00
WEST COAST VANCOUVER IS.		Before 1901	Pickled	40.00	0.00	0.00	7.05	52.95	0.00	100.00
		Before 1901	Fresh/Frozen	0.00	0.00	0.00	30.09	68.85	1.06	100.00
		1901-1909	Pickled	10.00	0.00	0.00	10.57	79.43	0.00	100.00
FRASER RIVER TOTAL		Before 1901	Pickled	40.00	0.00	0.00	28.40	31.60	0.00	100.00
		1901-1909	Pickled	10.00	0.00	0.00	42.60	47.40	0.00	100.00
FRASER RIVER	odd	Before 1901	Fresh/Frozen	0.70	0.00	0.00	11.01	87.19	1.10	100.00
	even	Before 1901	Fresh/Frozen	0.05	0.00	0.00	19.34	79.20	1.41	100.00

a. Source: See Sections 3.2.2 and 3.2.3 in Appendix E.

b. District II averages.

c. District III averages.

Table E21. Percentage species composition of products for the Fraser River, 1930-1944.

Year	Dry Salted					Pickled					Fresh/Frozen (companies)						Fresh/Frozen (fishermen)					
	Sock.	Pink	Chum	Coho	Chin.	Sock.	Pink	Chum	Coho	Chin.	Sock.	Pink	Chum	Coho	Chin.	Stlhd.	Sock.	Pink	Chum	Coho	Chin.	Stlhd.
1930	0.00	0.00	100.00	0.00	0.00	-	-	-	-	-	0.27	0.65	20.98	33.21	42.52	2.37	5.56	8.33	16.36	15.16	52.58	2.01
1931	0.48	34.48	56.06	0.00	8.98	-	-	-	-	-	3.77	2.77	6.73	18.76	66.08	1.89	5.56	8.33	16.36	15.16	52.58	2.01
1932	0.00	0.00	74.86	0.00	25.14	-	-	-	-	-	0.00	3.68	12.81	27.37	51.77	4.37	5.56	8.33	16.36	15.16	52.58	2.01
1933	0.00	35.80	63.84	0.00	0.36	0.00	0.00	72.54	27.46	0.00	0.33	15.25	15.30	18.76	49.04	1.32	5.56	8.33	16.36	15.16	52.58	2.01
1934	0.00	0.00	100.00	0.00	0.00	-	-	-	-	-	0.85	21.09	14.19	29.52	33.93	0.42	5.56	8.33	16.36	15.16	52.58	2.01
1935	0.01	8.74	88.25	0.07	2.93	-	-	-	-	-	3.71	9.66	26.36	19.93	39.73	0.61	5.56	8.33	16.36	15.16	52.58	2.01
1936	0.00	0.00	94.92	0.00	5.08	-	-	-	-	-	18.86	1.30	24.51	19.82	34.23	1.28	5.56	8.33	16.36	15.16	52.58	2.01
1937	0.00	0.00	100.00	0.00	0.00	-	-	-	-	-	0.00	11.64	34.88	12.54	40.29	0.65	5.56	8.33	16.36	15.16	52.58	2.01
1938	0.00	0.00	100.00	0.00	0.00	-	-	-	-	-	1.27	1.02	41.79	13.82	40.86	1.24	5.56	8.33	16.36	15.16	52.58	2.01
1939	-	-	-	-	-	-	-	-	-	-	0.11	4.43	38.26	15.78	40.58	0.84	5.56	8.33	16.36	15.16	52.58	2.01
1940	-	-	-	-	-	-	-	-	-	-	0.03	1.39	47.43	21.09	29.32	0.74	5.56	8.33	16.36	15.16	52.58	2.01
1941	-	-	-	-	-	-	-	-	-	-	0.01	3.15	51.52	16.44	28.57	0.31	5.56	8.33	16.36	15.16	52.58	2.01
1942	-	-	-	-	-	-	-	-	-	-	0.03	0.18	44.26	12.16	42.83	0.54	5.56	8.33	16.36	15.16	52.58	2.01
1943	-	-	-	-	-	-	-	-	-	-	0.00	4.64	44.39	21.67	28.58	0.72	5.56	8.33	16.36	15.16	52.58	2.01
1944	-	-	-	-	-	-	-	-	-	-	0.00	0.64	34.79	33.76	30.22	0.59	5.56	8.33	16.36	15.16	52.58	2.01

Table E21. Continued

Year	Smoked				Mild Cured				Bait			
	Chum	Coho	Chin.	Stlhd.	Chum	Coho	Chin.	Stlhd.	Pink	Chum	Coho	Chin.
1930	0.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00	-	-	-	-
1931	0.00	0.00	100.00	0.00	0.00	11.89	88.11	0.00	-	-	-	-
1932	0.00	0.00	100.00	0.00	0.00	10.61	89.39	0.00	29.48	66.74	2.04	1.74
1933	0.00	0.00	100.00	0.00	0.00	1.79	98.21	0.00	-	-	-	-
1934	0.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00	-	-	-	-
1935	0.00	0.00	100.00	0.00	0.00	4.48	95.52	0.00	-	-	-	-
1936	0.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00	-	-	-	-
1937	3.87	0.00	96.13	0.00	0.00	0.00	100.00	0.00	-	-	-	-
1938	0.00	0.00	100.00	0.00	0.00	4.94	95.06	0.00	-	-	-	-
1939	-	-	-	-	0.00	0.00	100.00	0.00	-	-	-	-
1940	0.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00	-	-	-	-
1941	0.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00	-	-	-	-
1942	0.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00	-	-	-	-
1943	30.00	0.00	70.00	0.00	2.63	6.58	90.79	0.00	-	-	-	-
1944	64.05	0.00	35.95	0.00	0.00	0.67	99.33	0.00	-	-	-	-

Table E22. Species composition for fresh-frozen salmon prepared by fishermen, 1945-1947.[a]

Area	Year	Total (cwt)	Sockeye %	Pink %	Chum %	Coho %	Chinook %	Stlhd %	Sum %
JOHNSTONE STR	**1945**	144	0.00	4.86	19.44	28.47	47.23	0.00	100.00
JOHNSTONE STR	**1946**	132	0.00	1.52	17.42	20.45	60.61	0.00	100.00
JOHNSTONE STR	**1947**	222	3.15	0.00	3.15	4.05	89.65	0.00	100.00
	Weighted Average		1.40	1.81	11.64	15.46	69.69	0.00	100.00
STR of GEORGIA	**1945**	2,040	0.29	0.64	3.58	43.53	51.96	0.00	100.00
STR of GEORGIA	**1946**	2,049	0.83	0.00	9.13	39.04	51.00	0.00	100.00
STR of GEORGIA	**1947**	1,305	0.23	0.92	3.37	48.43	47.05	0.00	100.00
	Weighted Average		0.48	0.46	5.64	43.01	50.41	0.00	100.00
JUAN DE FUCA STR	**1945**	302	0.00	0.99	0.00	46.69	52.32	0.00	100.00
JUAN DE FUCA STR	**1946**	135	0.00	0.00	0.00	22.22	77.78	0.00	100.00
JUAN DE FUCA STR	**1947**	5,779	0.00	0.83	43.66	7.49	46.69	1.33	100.00
	Weighted Average		0.00	0.82	40.59	9.71	47.64	1.24	100.00
WEST COAST VAN IS	**1945**	1,172	1.02	0.00	6.83	20.65	71.50	0.00	100.00
WEST COAST VAN IS	**1946**	2,504	1.24	0.00	9.27	48.04	41.45	0.00	100.00
WEST COAST VAN IS	**1947**	1,866	0.27	0.38	0.00	36.92	62.43	0.00	100.00
	Weighted Average		0.87	0.13	5.63	38.50	54.87	0.00	100.00
DISTRICT III	**1945**	3,658	0.49	0.63	4.95	35.87	58.06	0.00	100.00
DISTRICT III	**1946**	4,820	1.00	0.04	9.17	42.74	47.05	0.00	100.00
DISTRICT III	**1947**	9,172	0.16	0.73	28.06	19.22	50.99	0.84	100.00
	Weighted Average		0.46	0.52	18.11	29.09	51.38	0.44	100.00
FRASER RIVER	**1945**	17,022	2.54	0.46	0.99	17.55	76.79	1.67	100.00
FRASER RIVER	**1946**	7,155	15.37	0.00	39.13	14.68	27.68	3.14	100.00
FRASER RIVER	**1947**	6,076	2.47	40.21	32.59	9.02	14.06	1.65	100.00
	Weighted Average		5.56	8.33	16.36	15.16	52.58	2.01	100.00

a. Source: Schedule IIs.

Table E23. Average species composition for fresh/frozen salmon and steelhead prepared by fishermen.[a]

Area	Year	Total (cwt)	Sockeye %	Pink %	Chum %	Coho %	Chinook %	Stlhd %	Sum
JOHNSTONE STR	**1927-1930**	42,926	0.51	0.00	0.00	78.65	20.84	0.00	100.00
JOHNSTONE STR	**1945-1947**	498	1.40	1.81	11.64	15.46	69.69	0.00	100.00
	Average %		0.96	0.90	5.82	47.06	45.27	0.00	100.01
STR of GEORGIA	**1927-1930**	45,303	0.00	0.00	12.80	53.33	33.84	0.03	100.01
STR of GEORGIA	**1945-1947**	5,394	0.48	0.46	5.64	43.01	50.41	0.00	100.00
	Average %		0.24	0.23	9.22	48.18	42.13	0.01	100.01
JUAN DE FUCA STR	**1927-1930**	23,382	0.00	0.00	0.00	16.77	82.35	0.88	100.00
JUAN DE FUCA STR	**1945-1947**	6,216	0.00	0.82	40.59	9.71	47.64	1.24	100.00
	Average %		0.00	0.41	20.30	13.24	65.00	1.06	100.01
WEST COAST VAN IS	**1927-1930**	108,665	0.00	0.88	5.61	24.30	69.17	0.03	100.00
WEST COAST VAN IS	**1945-1947**	5,542	0.87	0.13	5.63	38.50	54.87	0.00	100.00
	Average %		0.43	0.51	5.62	31.40	62.02	0.01	99.99
DISTRICT III	**1927-1930**	220,276	0.08	0.51	5.08	38.69	55.55	0.09	100.00
DISTRICT III	**1945-1947**	17,650	0.46	0.52	18.11	29.09	51.38	0.44	100.00
	Average %		0.27	0.52	11.60	33.89	53.46	0.26	100.00
FRASER RIVER	**1927-1930**				Not Available				
FRASER RIVER	**1945-1947**	30,253	5.56	8.33	16.36	15.16	52.58	2.01	100.00

a. Source: Tables E18 and E22.

Table E24. Assignment of canneries to catch areas.

To determine the species composition of the DMF/DBS published canned packs for each of our ten areas from 1904 to 1929 we used the canned pack data for individual canneries. These data were available by species for each cannery from a variety of sources: DMF Annual Reports for 1901 to 1909 (Anonymous 1868-1913), Annual Reports of the Fisheries Commissioner for British Columbia (FCBC) for 1902, 1903, 1906-1911, 1913-1923 and 1925-1929 (Anonymous 1902-1930), and Pacific Fisherman Yearbooks (PFY) for 1901-1929 (Anonymous 1902-1950). To use these data on an area basis we had to determine which area each cannery was located in. We used information in the aforementioned sources, but could not have completed this task without the publications by Cobb (1930) and Lyons (1969). These authors wrote at length about locations and operating periods of individual canneries, and described changes to company names as a result of mergers, take-overs and relocations. The Cannery Database that follows lists our assignments of the canneries to areas, by year; original spellings have been maintained.

These data, aggregated by area, were used as samples on which to base an apportionment among species of published DMF/DBS figures for total canned pack by area. Tables in the main text showing the canned pack by area give the ratio of the species composition sample to the published total pack ("Sample/Total" in the tables).

Year	Area	Cannery
1901	Queen Charlotte Islands	Skidegate
"	Naas River	Mill Bay
"	"	Naas Harbour
"	Skeena River	Balmoral
"	"	British-American
"	"	Carlisle
"	"	Claxton
"	"	Herman's
"	"	Inverness
"	"	Ladysmith
"	"	N. Pacific
"	"	Skeena
"	"	Standard
"	"	Windsor
"	North Coast	Bella Bella
"	"	Kimsquit
"	"	Lowe Inlet
"	"	Namu
"	"	Princess Royal
"	Rivers Inlet	Brunswick III
"	"	Good Hope
"	"	Rivers Inlet
"	"	Vancouver
"	"	Victoria
"	"	Wadhams
"	"	Wannuck
"	Johnstone Strait	Alert Bay
"	W. Coast Vancouver Island	Clayquot
"	Fraser River	Acme
"	"	Albion
"	"	Alliance
"	"	Anglo-American
"	"	Atlas
"	"	Beaver
"	"	Birrel's
"	"	Bontiller
"	"	Britannia
"	"	British American
"	"	Brunswick (No. 1)
"	"	Brunswick (No. 2)
"	"	Canadian Pacific
"	"	Canoe Pass
"	"	Celtic
"	"	Cleeve
"	"	Colonial
"	"	Currie & McWilliams
"	"	Deas Island
"	"	Delta
"	"	Dinsmore Island
"	"	English Bay
"	"	Ewens
"	"	Federation
"	"	Fishermens
"	"	Fraser River
"	"	Great Northern
1901	Fraser River (cont.)	Greenwood
"	"	Gulf of Georgia
"	"	Harlock
"	"	Humes
"	"	Imperial
"	"	Industrial
"	"	London
"	"	National
"	"	Pacific Coast
"	"	Phoenix
"	"	Premier
"	"	Provincial
"	"	Richmond
"	"	Scottish-Canadian
"	"	St. Mungo
"	"	Star
"	"	Terra Nova
"	"	Vancouver
"	"	Wadham's
"	"	Wellington
"	"	Westham Is.
"	"	Westminster Packing Co.
1902	Queen Charlotte Islands	Skidegate
"	Naas River	Mill Bay
"	"	Naas Harbour
"	Skeena River	Aberdeen B.C.C. Co.
"	"	B.C. Packers Balmoral
"	"	B.C. Packers Cunningham
"	"	B.C. Packers Standard
"	"	Carlyle
"	"	Claxton, Wallace Bros
"	"	Hermans
"	"	Inverness, Todd & Sons
"	"	N. Pacific A.B.C. CO.
"	"	Pearces
"	"	Turnbull's
"	North Coast	Bella Bella
"	"	China Hat
"	"	Kimsquit
"	"	Lowe Inlet
"	"	Namu, R. Draney
"	Rivers Inlet	Brunswick III
"	"	Good Hope, A.B.C. Co.
"	"	Hickey's
"	"	R.I.'s Victoria, B.C.C.C.
"	"	Wadhams
"	"	Wannuck
"	Johnstone Strait	Alert Bay
"	W. Coast Vancouver Island	Clayquot
"	Fraser River	Acme
"	"	Albion
"	"	Alliance
"	"	Anglo-American
"	"	Atlas
"	"	Beaver

Continued...

Year	Area	Cannery
1902	Fraser River (cont.)	Birrel's
"	"	Britannia
"	"	British-American
"	"	Brunswick (No. 1)
"	"	Brunswick (No. 2)
"	"	Canadian Pacific
"	"	Canoe Pass
"	"	Celtic
"	"	Cleeve
"	"	Colonial
"	"	Currie's
"	"	Deas Island
"	"	Delta
"	"	Dinsmore
"	"	Eagle Harbor
"	"	English Bay
"	"	Ewen's
"	"	Fraser River
"	"	Great Northern
"	"	Greenwood
"	"	Gulf of Georgia
"	"	Hume
"	"	Imperial
"	"	Industrial
"	"	Lighthouse
"	"	Pacific Coast
"	"	Phoenix
"	"	Provincial
"	"	Richmond
"	"	Scottish Canadian
"	"	St. Mungo
"	"	Star
"	"	Terra Nova
"	"	Vancouver
"	"	Wadhams
"	"	Westminster
1903	Queen Charlotte Islands	Skidegate
"	Naas River	Mill Bay
"	"	Naas Harbour
"	"	P.N. Packing Co.
"	Skeena River	B.A. & North Pacific
"	"	B.C. Canning Co. Oceanic
"	"	B.C. Packers Balmoral
"	"	B.C. Packers Cunningham
"	"	B.C. Packers Standard
"	"	Carlisle Canning Co.
"	"	Cassiar Packing Co.
"	"	Claxton, Wallace Bros
"	"	Inverness, Todd & Sons
"	"	P. Herman & Co.
"	North Coast	Bella Coola
"	"	Kimsquit
"	"	Lowe Inlet
"	"	Namu
"	Rivers Inlet	BCP Brunswick
1903	Rivers Inlet (cont.)	BCP Wadhams
"	"	Good Hope, A.B.C. Co.
"	"	R.I.'s Victoria, B.C.C.C.
"	"	Smith Inlet
"	Johnstone Strait	B.C. Packers Alert Bay
"	W. Coast Vancouver Island	Alberni Packing Co.
"	"	Clayquot Canning Co.
"	Fraser River	Acme
"	"	Albion
"	"	Anglo-American
"	"	Atlas
"	"	B.B. & Canoe Pass
"	"	Beaver
"	"	Birrel's
"	"	Britannia
"	"	Brunswick (No. 1)
"	"	Canadian Pacific
"	"	Celtic
"	"	Cleeve
"	"	Colonial
"	"	Currie's
"	"	Deas Island
"	"	Dinsmore
"	"	Eagle Harbor
"	"	English Bay
"	"	Ewen's
"	"	Fraser River
"	"	Great Northern
"	"	Gulf of Georgia
"	"	Imperial
"	"	Industrial
"	"	Lighthouse
"	"	Pacific Coast
"	"	Phenic
"	"	Richmond
"	"	Scottish Canadian
"	"	St. Mungo
"	"	Star
"	"	Terra Nova
"	"	Vancouver
"	"	Wadhams
"	"	Westminster
1904	Naas River	Fed. Brand Salmon Canning Co. Nass Harbour
"	"	Fed. Brand Salmon Canning Co. Mill Bay
"	"	Pacific Northern Packing Co.
"	Skeena River	Alexandria Canning Co. Ltd.
"	"	Anglo B.C. Packing Co. B.A. & N. Pacific
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Balmoral
"	"	B.C. Packers Cunninghams
"	"	Carlisle Canning Co. Ltd.
"	"	Cassiar Packing Co.
"	"	J.H Todd & Sons
"	"	Phillip Jacobsen
"	"	Skeena River Com. Co. Ltd.

Continued...

Year	Area	Cannery
1904	Skeena River (cont.)	Wallace Bros. Ltd.
"	North Coast	B.C. Packers Assoc. Lowe Inlet
"	"	B.C. Packers Assoc. Bella Coola
"	"	R. Draney Kimsquit
"	"	R. Draney Namu
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Brunswick
"	"	B.C. Packers Wadham's
"	"	Wm. Hickey Canning Co. Ltd.
"	Johnstone Strait	B.C. Packers Assoc.
"	"	Pidcock Bros.
"	W. Coast Vancouver Island	Alberni Packing Co.
"	"	Clayoquot Sd. Canning Co.
"	Fraser River	Anglo-B.C. B.A. & Canoe Pass
"	"	Anglo-B.C. Britannia-Phoenix
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Acme
"	"	B.C. Packers Albion
"	"	B.C. Packers Brunswick
"	"	B.C. Packers Canadian Pacific
"	"	B.C. Packers Celtic
"	"	B.C. Packers Currie's
"	"	B.C. Packers Ewen's
"	"	B.C. Packers Imperial
"	"	B.C. Packers Pacific Coast
"	"	B.C. Packers Terra Nova
"	"	Can. Canning Co. Ltd. Van.
"	"	Canadian Canning Co. Ltd. Star
"	"	Great Northern Cannery
"	"	J.H. Todd & Sons Beaver
"	"	J.H. Todd & Sons Richmond
"	"	Malcolm-Cannon G'f of Georgia
"	"	Malcolm-Cannon Scottish Can.
"	"	National Packing Co. Ltd.
"	"	St. Mungo Canning Co.
"	"	Windsor
1905	Naas River	Federation B.S.C. Co.
"	"	John Wallace
"	"	Pt. Nelson C. & S. Co. Ltd.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	Alexandria Canning Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Cassiar Packing Co.
"	"	J.H Todd & Sons
"	"	Skeena River Com. Co. Ltd.
"	"	Trustees Ladysmith C. Co.
"	"	Wallace Bros. P. Co. Ltd.
"	North Coast	B.C. Packers Assoc. Bella Coola
"	"	B.C. Packers Assoc. Lowe Inlet
"	"	Robert Draney
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
1905	Rivers Inlet (cont.)	Wm. Hickey Canning Co.
"	Johnstone Strait	B.C. Packers Assoc.
"	"	Quathiaski
"	Juan de Fuca Strait	J.H Todd & Sons
"	W. Coast Vancouver Island	"Alberni District"
"	"	Clayoquot S.C. Co. Ltd.
"	Fraser River	A.B.C. Packing Co. Ltd. Canoe Pass
"	"	A.B.C. Packing Co. Ltd. Steveston
"	"	A.B.C. Packing Co. Ltd. Westminster
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc. Canoe Pass
"	"	B.C. Packers Assoc. North Arm
"	"	B.C. Packers Assoc.Steveston
"	"	B.C. Packers Assoc. New Westminster
"	"	Burrard Canning Co.
"	"	Buttimer & Dawson
"	"	C.S. Windsor
"	"	Canadian Canning Co. Ltd. North Arm
"	"	Canadian Canning Co. Ltd. Steveston
"	"	Federation B.S.C. Co. Ltd.
"	"	J.H. Todd & Sons North Arm
"	"	J.H. Todd & Sons Steveston
"	"	Malcolm, Cannon & Co. Steveston
"	"	Malcolm, Cannon & Co. Vancouver
"	"	National Packing Co. Ltd.
"	"	Northern Canning Co. Ltd.
"	"	Peter Birrell
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Canning Co.
"	"	Vancouver Fish & Can. Co.
1906	Naas River	Federation B.S. Can. Co. Ltd.
"	"	John Wallace
"	"	Port Nelson C.& S. Co. Ltd.
"	Skeena River	Alexandria Packing Co. Ltd.
"	"	Anglo. B.C. Packing Co.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Cassiar Packing Co. Ltd.
"	"	Dawson & Buttimer
"	"	J.H. Todd & Sons
"	"	Malcolm, Cannon & Co.
"	"	Skeena River Commercial Co. Ltd
"	"	Village Island Canning Co.
"	"	Wallace Bros. Packing Co. Ltd.
"	North Coast	B.C. Packers Assoc. Lowe Inlet
"	"	B.C. Packers Assoc. Bella Coola
"	"	Robert Draney
"	Rivers Inlet	Anglo. B.C. Packing Co.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Dawson & Buttimer
"	"	J.H. Todd & Sons
"	"	Strathcona Packing Co. Ltd.
"	"	Wm. Hickey Canning Co. Ltd.
"	Johnstone Strait	B.C. Packers Assoc.

Continued...

Year	Area	Cannery
1906	Johnstone Strait (cont.)	T.E. Atkins
"	Georgia Strait	P.H. Alder
"	Juan de Fuca Strait	Capital City Canning Co.
"	"	J.H. Todd & Sons
"	W. Coast Vancouver Island	Alberni Packing Co. Ltd.
"	"	Clayoquot Snd. Fishing Co.
"	Fraser River	Anglo B.C. Packing Co. Canoe Pass
"	"	Anglo B.C. Packing Co. Steveston
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc. Canoe Pass
"	"	B.C. Packers Assoc. North Arm
"	"	B.C. Packers Assoc. Steveston
"	"	B.C. Packers Assoc. New Westminster
"	"	Burrard Canning Co.
"	"	Canadian Canning Co. North Arm
"	"	Canadian Canning Co. Steveston
"	"	George Wilson
"	"	Great West Packing Co.
"	"	J.H. Todd & Sons
"	"	J.J. Mulhall
"	"	Lee Coy
"	"	Malcom Cannon & Co.
"	"	Northern Canning Co.
"	"	Nye Canning Co.
"	"	Peter Birrel
"	"	Royal Packing Co.
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Caning Co.
"	"	Unique Canning Co. Ltd.
1907	Queen Charlotte Islands	QCIS
"	Naas River	Federation B.S.C. Co. Ltd
"	"	John Wallace
"	"	Pt. Nelson C.& S. Co. Ltd.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	Alexandria Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Cassiar Packing Co. Ltd.
"	"	Dawson & Buttimer
"	"	J.H. Todd & Sons
"	"	Malcolm, Cannon & Co.
"	"	Skeena River Commercial Co.
"	"	Village Island
"	"	Wallace Bros. Ltd.
"	North Coast	Bella Coola
"	"	Kimsquit
"	"	Lowe Inlet
"	"	Manitou
"	"	Namu
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Dawson & Buttimer
"	"	J.H. Todd & Sons
"	"	Smith's Inlet
1907	Rivers Inlet (cont.)	Strathcona Packing Co.
"	Johnstone Strait	R.E. Gosse
"	"	T.E. Atkins
"	Georgia Strait	P.H. Alder
"	Juan de Fuca Strait	Capital City Canning Co. Ltd.
"	W. Coast Vancouver Island	Alberni Packing Co.
"	"	Clayoquot Snd. Fishing Co. Ltd.
"	"	Dawson & Buttimer
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Burrard Can. Co. Ltd.
"	"	Canadian Can. Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	J.J. Mulhall
"	"	Malcolm, Cannon & Co.
"	"	Northern Canning Co. Ltd.
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Canning Co. Ltd.
"	"	Unique Canning Co. Ltd.
1908	Naas River	John Wallace
"	"	Kincolith Packing Co. Ltd.
"	"	Pt. Nelson C.& S. Co. Ltd.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Cassiar Packing Co. Ltd.
"	"	Grenville Packing Co. Ltd
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Malcolm, Cannon & Co.
"	"	Skeena River Commercial Co. Ltd
"	"	Wallace Bros. Ltd.
"	North Coast	Bella Coola
"	"	Kimsquit
"	"	Lowe Inlet
"	"	Manitou
"	"	Namu
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Smith's Inlet
"	"	Strathcona Packing Co.
"	Johnstone Strait	B.C. Packers Assoc.
"	"	Quathiaski Packing Co.
"	"	R.E. Gosse
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Alberni Packing Co.
"	"	Clayoquot S. Packing Co.
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Canadian Can. Co. Ltd.

Continued...

Year	Area	Cannery
1908	Fraser River (cont.)	J.H. Todd & Sons
"	"	Lee Coy
"	"	St. Mungo Canning Co. Ltd.
"	"	Unique Canning Co. Ltd.
1909	Naas River	John Wallace
"	"	Kincolith Packing Co. Ltd.
"	"	Pt. Nelson C.& S. Co. Ltd.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Skeena River Commercial Co.
"	"	Wallace Bros. Ltd.
"	North Coast	Bella Coola
"	"	Kimsquit
"	"	Lowe Inlet
"	"	Manitou
"	"	Namu
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Strathcona Packing Co.
"	"	Wm. Hickey Canning Co. Ltd.
"	Johnstone Strait	B.C. Packers Assoc.
"	"	Quuathiaski Canning Co.
"	Juan de Fuca Strait	B.C. Canning Co. (Capital City)
"	"	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot S. Packing Co.
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Burrard Canning Co. Ltd.
"	"	Canadian Can. Co. Ltd.
"	"	Eagle Harbour Canning Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Knight Inlet Canning Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	Malcolm, Cannon & Co.
"	"	Northern Canning Co. Ltd.
"	"	St. Mungo Canning Co. Ltd.
"	"	The Glen Rose Can'g Co. Ltd.
"	"	Unique Canning Co. Ltd.
1910	Naas River	Federation B.S. Canning Co. Ltd
"	"	John Wallace
"	"	Kincoleth Packing Co. Ltd.
"	"	Pt. Nelson C.& S. Co. Ltd.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
1910	Skeena River (cont.)	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Skeena River Commercial Co. Ltd
"	"	Wallace Bros. Ltd.
"	North Coast	Kildala Packing Co. Ltd.
"	"	Robert Draney
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Strathcona Packing Co.
"	"	Wm. Hickey Canning Co. Ltd.
"	Johnstone Strait	Knight Inlet Canning Co. Ltd.
"	"	Quathiaski Packing Co.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Alberni Packing Co. Ltd.
"	"	Clayoquot S. Packing Co.
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Canadian Can. Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Les Coy
"	"	M. DesBrisay & Co.
"	"	Malcolm, Cannon & Co.
"	"	Northern Canning Co. Ltd.
"	"	St. Mungo Canning Co. Ltd.
"	"	The Glen Rose Canning Co. Ltd.
"	"	Unique Canning Co. Ltd.
1911	Naas River	A.B.C. Packing Co. Ltd.
"	"	Canadian Can. Co. Ltd.
"	"	Kincoleth Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Skeena River Commercial Co. Ltd
"	"	Wallace Fisheries Ltd
"	North Coast	John Wallace
"	"	Kildala Packing Co. Ltd.
"	"	Robert Draney
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Strathcona Packing Co.
"	"	Wm. Hickey Canning Co. Ltd.
"	Johnstone Strait	A.B.C. Packing Co. Ltd.

Continued...

Year	Area	Cannery
1911	Johnstone Strait (cont.)	B.C. Packers Assoc.
"	"	Quuathiaski Packing Co.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot S. Packing Co.
"	"	Wallace Fisheries Ltd
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	C.S. Windsor (Lighthouse)
"	"	Canadian Can. Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	M. DesBrisay & Co.
"	"	St. Mungo Canning Co. Ltd.
"	"	The Glen Rose Canning Co. Ltd.
"	"	Windsor Co. Ltd
1912	Queen Charlotte Islands	B.C. Fisheries Ltd.
"	Naas River	A.B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Kincoleth Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Skeena River Commercial Co. Ltd
"	"	Wallace Fisheries Ltd
"	North Coast	Draney Fisheries Ltd.
"	"	E. Bella Bella Packing Co. Ltd.
"	"	John Wallace
"	"	Kildala Packing Co. Ltd.
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Wallace Fisheries Ltd Rivers Inlet
"	"	Wallace Fisheries Ltd Smith Inlet
"	Johnstone Strait	A.B.C. Packing Co. Ltd.
"	"	Quathiaski Packing Co.
"	Georgia Strait	Jervis Inlet Canning Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Canadian Can. Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	M. DesBrisay & Co.
"	"	Percival And Windsor
"	"	Scottish Can. Canning Co. Ltd.
"	"	St. Mungo Canning Co. Ltd.
1912	Fraser River (cont.)	The Glen Rose Canning Co. Ltd.
1913	Queen Charlotte Islands	B.C. Fisheries Ltd.
"	Naas River	A.B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Kincoleth Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Canadian Fish & Cold Storage Co
"	"	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Skeena River Commercial Co. Ltd
"	"	Wallace Fisheries Ltd
"	North Coast	Draney Fisheries Ltd.
"	"	E. Bella Bella Packing Co. Ltd.
"	"	John Wallace
"	"	Kildala Packing Co. Ltd.
"	Rivers Inlet	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Wallace Fisheries Ltd Rivers Inlet
"	"	Wallace Fisheries Ltd Smith Inlet
"	Johnstone Strait	A.B.C. Packing Co. Ltd.
"	"	Quathiaski Packing Co.
"	Georgia Strait	Jervis Inlet Canning Co. Ltd.
"	Juan de Fuca Strait	B.C. Canning Co. Ltd.(Victoria)
"	"	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	"	Wallace Fisheries Ltd
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.
"	"	Canadian Can. Co. Ltd.
"	"	English Fisheries Ltd.
"	"	Gosse-Millard Can. Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Jervis Inlet Can. Co. Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	Scottish Can. Canning Co. Ltd.
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Canning Co.
"	"	The Glen Rose Canning Co. Ltd.
1914	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Kincoleth Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd
"	"	B.C. Packers Assoc.

Continued...

Year	Area	Cannery
1914	Skeena River (cont.)	Canadian Fish & Cold Storage Co
"	"	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Skeena River Commercial Co. Ltd
"	"	Wallace Fisheries Ltd
"	North Coast	Draney Fisheries Ltd.
"	"	E. Bella Bella Packing Co. Ltd.
"	"	John Wallace
"	"	Kildala Packing Co. Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Wallace Fisheries Ltd
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Gilford Fish Co. Ltd.
"	"	Goletas Fish Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Nanaimo Canning Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	Fraser River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Defiance Packing Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J. H. Todd & Sons
"	"	Jervis Inlet Can. Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	Northern Canning Co.
"	"	Scottish Can. Canning Co. Ltd.
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Canning Co.
"	"	The Glen Rose Canning Co. Ltd.
"	"	Van. Can. Ltd. + Gosse Millard
1915	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Kincoleth Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Association
"	"	Can. Fish & Cold Stor. Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co.
"	"	Skeena River Comm. Co. Ltd
"	"	Wallace Fisheries Ltd
"	North Coast	Draney Fisheries Ltd.
"	"	Gosse-Millard Can. Co. (Bella B.)
"	"	John Wallace
"	"	Kildala Packing Co. Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
1915	Rivers Inlet (cont.)	B.C. Canning Co. Ltd.
"	"	B.C. Packers Association
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Wallace Fisheries Ltd. Rivers Inlet
"	"	Wallace Fisheries Ltd. Smith Inlet
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Goletas Fish Co. Ltd.
"	"	Preston Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Nanaimo Canning Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayquot Sound Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Association
"	"	Defiance Packing Co. Ltd.
"	"	Eagle Harbour Canning Co. Ltd.
"	"	Glen Rose Canning Co. Ltd.
"	"	Gosse-Millerd Can. Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J. H. Todd & Sons
"	"	Jervis Inlet Can. Co. Ltd.
"	"	M. DesBrisay & Co. Ltd.
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Canning Co. Ltd.
"	"	The Graham Co. (Scott Can.)
1916	Queen Charlotte Islands	McPherson & Co.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Kincoleth Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Canadian Fish & Cold Storage Co.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millerd Packing Co. Ltd.
"	"	J. H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Skeena River Commercial Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	Draney Fisheries Ltd.
"	"	Gosse-Millard Can. Co. Ltd.
"	"	John Wallace
"	"	Kildala Packing Co. Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	J. H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Goletus Fish Co. Ltd.

Continued...

Year	Area	Cannery
1916	Johnstone Strait	Preston Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Gulf Islands Fishing Co. Ltd.
"	"	Nanaimo Canners & Packers Ltd.
"	"	Sidney Canning Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot Sound Canning Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Defiance Packing Co. Ltd.
"	"	Eagle Harbour Canning Co. Ltd.
"	"	Gosse-Millard Canning Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	J.W. Windsor
"	"	Jervis Inlet Canning Co. Ltd.
"	"	Liverpool Canning Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Canning Co.
"	"	The Glen Rose Canning Co. Ltd.
1917	Queen Charlotte Islands	Aliforce Bay Cannery
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Kincolith Fisheries Ltd.
"	"	M. DesBrisay & Co.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Canadian Fish & Cold Storage Co.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millard Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildare Packing Co. Ltd.
"	"	Skeena River Commercial Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	Draney Fisheries Ltd.
"	"	Gosse-Millard Packing Co. Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Tallheo Fish Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Preston Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	"	Western Packers Ltd.
"	Georgia Strait	C.L. Packing Co. Ltd.
"	"	Gulf Islands Fishing Co. Ltd.
1917	Georgia Strait (cont.)	Nanaimo Canning & Packing Ltd.
"	"	Redonda Canning and Cold Storage
"	Juan de Fuca Strait	J.H. Todd & Sons
"	"	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	"	Lummi Bay Packing Co.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Booth Fisheries Co. Ltd.
"	"	C.L. Packing Co. Ltd.
"	"	Defiance Packing Co. Ltd.
"	"	Eagle Harbour Canning Co. Ltd.
"	"	Gosse-Millard Can. Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Liverpool Canning Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	St. Mungo Canning Co. Ltd.
"	"	Steveston Canning Co.
"	"	The Glen Rose Canning Co. Ltd.
1918	Queen Charlotte Islands	Lockport Canning Co.
"	"	Maritime Fisheries Ltd.
"	"	Western Packers Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Kincolith Fisheries Ltd.
"	"	M. DesBrisay & Co.
"	"	Portland Fisheries Ltd.
"	"	Western Salmon Packers Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Canadian Fish & Cold Storage Co.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millard Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Port Edwards Fisheries Ltd.
"	"	Skeena River Commercial Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	Draney Fisheries Ltd.
"	"	Gosse-Millard Packing Co. Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Kimsquit Fisheries Ltd.
"	"	Tallheo Fisheries Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	McTavish Fisheries Ltd.

Continued...

Year	Area	Cannery
1918	Rivers Inlet	Provincial Canning Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Preston Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	"	Western Packers Ltd.
"	Georgia Strait	C.L. Packing Co. Ltd.
"	"	Gulf Islands Fishing & Can. Co.
"	"	Nanaimo Canning & Packing Ltd.
"	"	Puntledge Canning Co. Ltd.
"	"	Redonda Canning & Cold Stoage
"	Juan de Fuca Strait	Defiance Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	"	Lummi Bay Packing Co.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	B.C. Packers Assoc.
"	"	C.L. Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Defiance Packing Co. Ltd.
"	"	Eagle Harbour Canning Co. Ltd.
"	"	Gosse-Millard Canning Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Liverpool Canning Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	St. Mungo Canning Co. Ltd.
"	"	The Glen Rose Canning Co. Ltd.
1919	Queen Charlotte Islands	Maritime Fisheries Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	M. DesBrisay & Co.
"	"	Northern B.C. Fisheries
"	"	Western Salmon Packers Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Canadian Fish & Cold Storage Co.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millerd Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	Gosse-Millerd Packing Co. Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Gosse-Millerd Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
1919	Rivers Inlet (cont.)	Provincial Canning Co. Ltd
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Preston Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	C.L. Packing Co. Ltd.
"	"	Gulf Islands Fishing & Can. Co.
"	"	Gulf Islands Fishing & Can. Co.
"	"	Nanaimo Canning & Packing Ltd.
"	"	Redonda Cannand & Cold Storage
"	"	Sidney Canning Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons
"	"	J.H. Todd & Sons (Esquimalt)
"	"	Sooke Harbour F'g & Pk. Co. Ltd.
"	"	Sooke Harbour F'g & Pk. Co. Ltd.
"	W. Coast Vancouver Island	Bamfield Fisheries Ltd.
"	"	Clayoquot Sound Canning Co. Ltd.
"	"	Gosse-Millerd Packing Co. Ltd.
"	"	Lummi Bay Packing Co.
"	"	Nootka Packing Co. Ltd.
"	Fraser River	B.C. Packers Assoc.
"	"	Canadian Fishing Co. Ltd.
"	"	Defiance Packing Co. Ltd.
"	"	Gosse-Millerd Canning Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	Griffin Canning Co. Ltd.
"	"	J.H. Todd & Sons
"	"	M. DesBrisay & Co.
"	"	St. Mungo Canning Co. Ltd.
"	"	The Glen Rose Canning Co. Ltd.
1920	Queen Charlotte Islands	Maritime Fisheries Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	M. DesBrisay & Co.
"	"	Northern B.C. Fisheries Ltd.
"	"	Western Salmon Packers Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.
"	"	Canadian Fish & Cold Storage Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millerd Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Norhern B.C. Fisheries Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	Gosse-Millerd Packing Co. Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	"	Northern Fisheries (Namu)
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Packers Assoc.

Continued...

Year	Area	Cannery
1920	Rivers Inlet (cont.)	Gosse-Millerd Packing Co. Ltd.
"	"	J.H. Todd & Sons
"	"	Kildala Packing Co. Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Preston Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	"	Western Packers Ltd.
"	Georgia Strait	Redonda Can.and Cold Stor. Co.
"	Juan de Fuca Strait	J.H. Todd & Sons
"	"	J.H. Todd & Sons (Esquimalt)
"	"	Sooke Harbour F'g & Pk. Co. Ltd.
"	"	Sooke Harbour F'g & Pk. Co. Ltd.
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	"	Gosse-Millerd Packing Co. Ltd.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	B.C. Packers Assoc.
"	"	Canadian Fishing Co. Ltd.
"	"	Gosse-Millerd Packing Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons, Fraser River
"	"	M. DesBrisay & Co.
"	"	St. Mungo Canning Co. Ltd.
"	"	The Glen Rose Canning Co. Ltd.
1921	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	Northern B.C. Fisheries Ltd.
"	"	Western Salmon Packing Ltd.
"	Skeena River	A.B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Can. Fish & Cold Storage Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	B.C. Fishing & Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	"	Northern Fisheries (Namu)
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	"	Wallace Fisheries Smith Inlet
1921	Johnstone Strait	B.C. Fishing & Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Sea Fish Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	"	J.H. Todd & Sons Ltd.
"	"	Sooke Harbour F'g & Pk. Co. Ltd.
"	"	Clayoquot S. Can. Co. Ltd.
"	W. Coast Vancouver Island	Gosse-Millerd Ltd.
"	"	Lummi Bay Packing Co. Ltd.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	A.B.C. Packing Co. Ltd.
"	"	A.H. Sherman Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Glenrose Canning Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Great Northern Packing Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	M. DesBrisay & Co.
1922	Queen Charlotte Islands	Canadian Fishing Co. Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co.
"	"	M. DesBrisay & Co.
"	"	Northern B.C. Fisheries Ltd.
"	"	Western Salmon Packing Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Can. Fish & Cold Storage Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	B.C. Fishing & Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Northern B.C. Fisheries Ltd. (Namu)
"	"	Northern B.C. Fisheries Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Canning Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	"	Wallace Fisheries Smith Inlet
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.

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Year	Area	Cannery
1922	Georgia Strait	Deep Bay Packing Co. Ltd.
"	"	Nanaimo Canners & Packers
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	"	J.H. Todd & Sons Ltd.
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Lummi Bay Packing Co. Ltd.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Glenrose Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J. H. Todd & Sons Ltd.
"	"	M. DesBrisay & Co. Ltd.
1923	Queen Charlotte Islands	Lockeport Cannery Co. Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	M. DesBrisay & Co. Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	"	Somerville Cannery Co. Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Can. Fish & Cold Storage Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Northern B.C. Fisheries Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	B.C. Fishing & Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Northern B.C. Fish. Ltd. (Namu)
"	"	Northern B.C. Fisheries Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	J. H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Standard Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Deep Bay Packing Co. Ltd.
"	"	Nanaimo Canners & Packers
"	Juan de Fuca Strait	J. H. Todd & Sons Ltd. (Esquimalt)
"	"	J. H. Todd & Sons Ltd.
"	W. Coast Vancouver Island	Clayoquot Sound Canning Co. Ltd.
"	"	Gosse-Millerd Ltd.
1923	W. Coast Vancouver Island (cont.)	Lummi Bay Packing Co. Ltd.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Glenrose Packing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Great West Packing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	M. DesBrisay & Co.
"	"	Somerville Cannery Co. Ltd.
1924	Queen Charlotte Islands	Canadian Fishing Co. Ltd.
"	"	Langara Fish. & Pack. Co. Ltd.
"	"	Lockeport Cannery Co. Ltd.
"	"	Somerville Cannery Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Nass River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Somerville Cannery Co. Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fish & C.S. Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse-Millerd Ltd. (Namu)
"	"	J.H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	B.C. Fishing & Packing Co. Ltd.
"	"	C.R. Draney & Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Kildala Packing Co. Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Standard Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Kingcome Packers Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Deep Bay Packing Co. Ltd.
"	"	Nanaimo Canners & Packers Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons Ltd.
"	W. Coast Vancouver Island	Clayoquoat S. Can. Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Nitinat Packers Ltd.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	B.C. Fishing & Packing Co. Ltd.

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Year	Area	Cannery
1924	Fraser River (cont.)	Canadian Fishing Co. Ltd.
"	"	Glenrose Canning Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Great West Packing Co. Ltd.
"	"	Somerville Cannery Co. Ltd.
1925	Queen Charlotte Islands	Canadian Fishing Co.
"	"	Langara Packing Co.
"	Naas River	Lockeport Canning Co.
"	"	Anglo B.C. Packing Co.
"	"	B.C. Fishing & Packing Co.
"	"	Canadian Fishing Co.
"	Skeena River	Anglo B.C. Packing Co.
"	"	B.C. Fishing & Packing Co.
"	"	Canadian Fishing Co.
"	"	Cassiar Packing Co.
"	"	Gosse-Millerd Ltd.
"	"	J.H. Todd & Sons
"	"	Maritime Fisheries Ltd.
"	"	Skeena River Packing Co. Ltd.
"	"	Somerville Cannery Co.
"	"	Wallace Fisheries Ltd.
"	North Coast	B.C. Fishing & Packing Co.
"	"	C.R. Draney & Co.
"	"	Canadian Fishing Co.
"	"	Gosse-Millerd Ltd.
"	"	Gosse-Millerd Ltd. (Namu)
"	Rivers Inlet	Anglo B.C. Packing Co.
"	"	B.C. Fishing & Packing Co.
"	"	Canadian Fishing Co.
"	"	J.H. Todd & Sons
"	"	Provincial Canning Co. Ltd.
"	"	Standard Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co.
"	"	B.C. Fishing & Packing Co.
"	"	Kingcome Packers Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	"	Somerville Canning Co.
"	Georgia Strait	Deep Bay Packing Co. Ltd.
"	"	Nanaimo Canners & Packers Ltd.
"	"	Redonda Canning & C.S. Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons
"	"	J.H. Todd & Sons (Esquimalt)
"	W. Coast Vancouver Island	Clayquot Snd. Canning Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Nitinat Canners Ltd.
"	"	Nootka Packing Co.
"	"	Wallace Fisheries Ltd.
"	Fraser River	B.C. Fishing & Packing Co.
"	"	Canadian Fishing Co. Ltd.
"	"	Glenrose Canning Co. Ltd.
"	"	Gosse-Millerd Ltd.
"	"	Great West Packing Co. Ltd.
"	"	M. DesBrisay & Co.
"	"	Somerville Cannery Co.

Year	Area	Cannery
1926	Queen Charlotte Islands	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	Langara Packing Co. Ltd.
"	"	Lockeport Canning Co. Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Somerville Cannery Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Skeena River P'g Co. Ltd.
"	"	Somerville Cannery Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	North Coast	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	Gosse Packing Co. Ltd. (Namu)
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd. Rivers Inlet
"	"	Canadian Fishing Co. Ltd. Smith Inlet
"	"	Gosse Packing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Standard Packing Co. Ltd.
"	"	Wallace Fisheries Ltd. Rivers Inlet
"	"	Wallace Fisheries Ltd. Smith Inlet
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & Packing Co. Ltd.
"	"	Kingcome Packers Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	"	Somerville Cannery Co. Ltd.
"	Georgia Strait	Deep Bay Packing Co. Ltd.
"	"	Redonda C'g & C.S. Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons Ltd. (Esquimalt)
"	"	J.H. Todd & Sons Ltd.
"	W. Coast Vancouver Island	Clayoquot Sound Canning Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	Nitinat Packers Ltd.
"	"	Nootka Packing Co. Ltd.
"	"	Wallace Fisheries Ltd.
"	Fraser River	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Glenrose Canning Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	Great West Packing Co. Ltd.

Continued...

Year	Area	Cannery
1926	Fraser River (cont.)	Somerville Cannery Co.
1927	Queen Charlotte Islands	B.C. Fishing & P'g Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Langara Packing Co. Ltd.
"	"	Maritime Fisheries Ltdf.
"	"	Masset Canners Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & P'g Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & P'g Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Maritime Fisheries Ltd.
"	"	Millerd Packing Co. Ltd.
"	"	Skeena River P'g Co. Ltd.
"	North Coast	B.C. Fishing & Packing Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Klemtu Canning Co. Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Fishing & P'g Co. Ltd.
"	"	B.C. Fishing & P'g Co. Ltd.
"	"	Canadian Fishing Co. Ltd. Rivers
"	"	Canadian Fishing Co. Ltd. Smith
"	"	Gosse Packing Co. Ltd. Rivers Inlet
"	"	Gosse Packing Co. Ltd. Smith Inlet
"	"	J.H. Todd & Sons Ltd.
"	"	Provincial Canning Co. Ltd.
"	"	Standard Packing Co. Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Kingcome Packers Ltd.
"	"	Millerd Packing Co. Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Deep Bay Packing Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons Ltd. (Esquimalt)
"	"	J.H. Todd & Sons Ltd.
"	"	Saanich Canning Co. Ltd.
"	W. Coast Vancouver Island	Clayoquot S. Canning Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	Millerd Packing Co. Ltd.
"	"	Nootka Packing Co. Ltd.
"	Fraser River	B.C. Fishing & P'g Co. Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Glenrose Canning Co. Ltd.
"	"	Gosse Packing Co. Ltd.
"	"	Great West Packing Co. Ltd.
"	"	Millerd Packing Co. Ltd.
1928	Queen Charlotte Islands	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Langara Packing Co. Ltd.
"	"	Masset Canners Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Ltd.

Year	Area	Cannery
1928	Naas River (cont.)	Canadian Fishing Co. Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Skeena River Packing Co. Ltd.
"	North Coast	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Klemtu Canning Co. Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Ltd. Rivers Inlet
"	"	Anglo B.C. Packing Co. Ltd. Smith Inlet
"	"	B.C. Packers Ltd. Rivers Inlet
"	"	B.C. Packers Ltd. Smith Inlet
"	"	Canadian Fishing Co. Ltd. Rivers Inlet
"	"	Canadian Fishing Co. Ltd. Smith Inlet
"	"	J.H. Todd & Sons Ltd.
"	"	Kingcome Packers Ltd.
"	"	Provincial Canning Co. Ltd.
"	Johnstone Strait	Anglo B.C. Packing Co. Ltd.
"	"	Kingcome Packers Ltd.
"	"	Quathiaski Canning Co. Ltd.
"	Georgia Strait	Deep Bay Packing Co. Ltd.
"	Juan de Fuca Strait	J.H. Todd & Sons (Esquimalt)
"	"	J. H. Todd & Sons Ltd.
"	W. Coast Vancouver Island	Clayoquot S. Can. Co. Ltd.
"	"	Nootka Packing Co. Ltd.
"	Fraser River	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Francis Millerd
"	"	Great West Packing Co. Ltd.
1929	Queen Charlotte Islands	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Langara F'g & P'g Co. Ltd.
"	"	Masset Canners Ltd.
"	Naas River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	Skeena River	Anglo B.C. Packing Co. Ltd.
"	"	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Cassiar Packing Co. Ltd.
"	"	Chatham Sound Fishing & Packing Co. Ltd.
"	"	J.H. Todd & Sons Ltd.
"	"	Skeena River P'g Co. Ltd.
"	North Coast	B.C. Packers Ltd.
"	"	Canadian Fishing Co. Ltd.
"	"	Klemtu Canning Co. Ltd.
"	Rivers Inlet	Anglo B.C. Packing Co. Rivers Inlet
"	"	Anglo B.C. Packing Co. Smith Inlet
"	"	B.C. Packers Ltd. Rivers Inlet
"	"	B.C. Packers Ltd. Smith Inlet
"	"	Canadian Fishing Co. Ltd. Rivers Inlet
"	"	Canadian Fishing Co. Ltd. Smith Inlet
"	"	Francis Millerd

Continued...

Year	Area	Cannery	Year	Area	Cannery
1929	Rivers Inlet	Anglo B.C. Packing Co. Ltd. Rivers Inlet			
"	"	Anglo B.C. Packing Co. Ltd. Smith Inlet			
"	"	B.C. Packers Ltd. Rivers			
"	"	B.C. Packers Ltd. Smith			
"	"	Canadian Fishing Co. Ltd. Rivers Inlet			
"	"	Canadian Fishing Co. Ltd. Smith Inlet			
"	"	Francis Millerd			
"	"	Independent Packers, Ltd.			
"	"	J.H. Todd & Sons Ltd.			
"	"	Kingcome Packers, Ltd. Rivers Inlet			
"	"	Kingcome Packers, Ltd. Smith Inlet			
1929	Johnstone Strait	Anglo B.C. Packing Co. Ltd.			
"	"	Kingcome Packers, Ltd.			
"	"	Quathiaski Canning Co. Ltd.			
1929	Georgia Strait	Deep Bay Packing Co. Ltd.			
"	Juan de Fuca Strait	J.H. Todd & Sons Ltd.			
"	"	J.H. Todd & Sons Ltd. (Esquimalt)			
"	W. Coast Vancouver Island	Clayoquot Sound Packing Co. Ltd.			
"	"	Francis Millerd			
"	"	Nootka Packing Co. Ltd.			
1929	Fraser River	B.C. Packers Ltd.			
"	"	Canadian Fishing Co. Ltd.			
"	"	Francis Millerd			
"	"	Great West Packing Co. Ltd.			
"	"	Independent Packers Ltd.			
"	"	Johnstone Packing Co. Ltd.			

APPENDIX F

PROCEDURES USED TO ACCOUNT FOR TRANSFERS OF SALMON BETWEEN AREAS

TABLE OF CONTENTS FOR APPENDIX F

Page

1. INTRODUCTION 461

2. VERIFICATION OF DMF'S CONVERSION OF 1933 PRODUCT DATA TO LANDINGS DATA 461
  - 2.1. Basic Forms 462
  - 2.2. Confirmation of Published Data from Primary Sources 462
    - 2.2.1. Canned pack and product compilations from primary sources 462
    - 2.2.2. Minor differences between published and primary data 464
  - 2.3. Summary 465

3. TRANSFERS OF UNPROCESSED SALMON, DISTRICT II, 1933-1944 465
  - 3.1. Basic Approach 465
  - 3.2. Available Records 466
  - 3.3. Comparison of Estimates of Landings Adjusted for Transfers 466
  - 3.4. Summary 468

4. TRANSFERS OF UNPROCESSED SALMON, DISTRICT III, 1933-1944 469
  - 4.1. Background 469
  - 4.2. Data for 1933 469
  - 4.3. Data for 1939 470
    - 4.3.1. Analytical procedures 470
    - 4.3.2. Example transfer analysis for 1939 471
      - 4.3.2.1. Transfer accounting procedure 471
      - 4.3.2.2. Landed weights by species 471
    - 4.3.3. Special Procedures for 1933 and 1941 472
  - 4.4. Comparison of Transfer Analyses for District III in 1940 473
  - 4.5. Summary 473

5. TRANSFERS OF UNPROCESSED SALMON, DISTRICT I, 1933-1944 474
  - 5.1. Background 474
  - 5.2. Canned Pack 474
  - 5.3. Non-Canned Production 475

6. TRANSFERS OF UNPROCESSED SALMON PRIOR TO 1933 476
  - 6.1. Transfers Adjustments Prior to 1920, All Districts 476
    - 6.1.1. Queen Charlotte Islands transfer adjustments for 1915-1916 477
    - 6.1.2. Nass River transfer adjustments for 1915-1919 477
    - 6.1.3. North Coast transfer adjustments for 1888–1900 478
    - 6.1.4. Skeena River transfer adjustments for 1888-1900 and 1915-1919 478
    - 6.1.5. Juan de Fuca Strait transfer adjustments for 1904-1905 479
  - 6.2. Transfer Adjustments, District I, 1920-1932 479
  - 6.3. Transfers Adjustments, District II, 1920-1929 480
  - 6.4. Evidence that DMF Accounted for District II Transfers Between 1930 and 1932 482
  - 6.5. Transfer Adjustments, District III, 1920-1932 483

7. TRANSFERS OF UNPROCESSED SALMON, ALL DISTRICTS, 1945-1950 484

8. DETAILED EXPLANATION OF HOW 1930-1950 LANDED WEIGHTS WERE COMPILED FOR MAIN TEXT TABLES 484

8.1. District I 484

8.2. District II 485

8.3. District III 486

LIST OF APPENDIX F TABLES

Table		Page
F1	DBS salmon statistics for 1933.	487
F2	Canned pack and product amounts, by species, area and company, from Supplemental Schedules completed by companies in 1933.	488
F3	Summaries of 1933 canned pack and product amounts, by species and area, from data in Table F2.	502
F4	Summary of canned packs, products and green landed weights for 1933.	510
F5a	Canned pack and product amounts, by area and company, from Supplemental Schedules completed by Fishery Officers for 1933.	511
F5b	Summary of canned pack and product amounts, by area, from Supplemental Schedules completed by Fishery Officers for 1933.	512
F6	Products prepared by fishermen and recorded on Schedule II forms, 1933.	513
F7	Green landed weight, canned pack and product statistics for1933 from the Dominion Bureau of Statistics report on Fisheries Statistics of Canada, and from Schedule 1As, Supplemental Schedules, and Schedule IIs.	514
F8	Extract from Schedule II for DBS area 21 showing hand written change to fresh salmon in 1933..	516
F9	Extract from Schedule 1A for District I (DBS area 3) showing footnote regarding sockeye imported from the United States in1933	517
F10	Extracts from worksheets for fresh and canned salmon in the annual statistics for1933.	518
F11	Salmon landings for the Skeena River area from DMF Prince Rupert files.	520
F12	Copies of DMF worksheets containing data used to calculate transfers amongst District II areas in 1933.	521
F13	Transfers of sockeye salmon landed in District II, 1933.	531
F14	Transfers of pink salmon landed in District II, 1933.	531
F15	Transfers of chum salmon landed in District II, 1933.	532
F16	Transfers of coho salmon landed in District II, 1933.	532
F17	Transfers of chinook salmon landed in District II, 1933.	533

F18 Transfers of steelhead trout landed in District II, 1933. 533

F19 Summary and comparison of results from transfer analyses using primary data from Federal Record Centre archive records and from the Prince Rupert tables for salmon landings in District II, 1933. 534

F20 District II GLWs from DMF Prince Rupert archive tables divided by calculated GLWs from the transfer analysis, 1933. 536

F21 Comparison of total green landed weight data for 1933 from the DBS report, DMF Schedules, and the author's transfer analysis. 537

F22 DMF worksheet for 1933 illustrating the discrepancy between "Salmon Shipped Out" and "Salmon Shipped In". 538

F23 Comparison of data from DMF worksheets and from Statistical Basebook No. 3 regarding the transfers of canned salmon between areas in 1933. 539

F24 Copies of DMF worksheets for District III in 1939 containing results from DMF's transfer analysis to determine total GLW. 540

F25 Statement illustrating shipments of salmon from DBS area 28 in 1939. 552

F26 Correspondence illustrating disposition of fish landed in DBS areas 21 and 22 in 1939. 553

F27 Landings data for DBS area 17 in 1939 that were submitted by the Fishery Officer to the District Supervisor in Nanaimo. 555

F28 Copies of Appendices to the mimeographed Supplemental Schedules illustrating the form in which companies submitted data on transfers to DMF. 558

F29 DMF memorandum explaining the discrepancy in1933 total GLW arising from unaccounted for transfers. 560

F30 Worksheets prepared by the authors for the 1939 salmon transfer analysis for DBS areas 17, 21, 22 and 28. 562

F31 Summary of results from transfer analysis worksheets for 1939. 566

F32 Combination of 1939 GLW by species from product and canned pack data and from the transfer analysis. 567

F33 Results from DMF's analysis of transfers for District III in 1940. 571

F34 Salmon and steelhead GLW for District III in 1940 compared between the DMF transfer analysis and the transfer analysis from this report. 572

F35a Fraser River packs of canned salmon and steelhead and estimates of equivalent landed weight, adjusted for transfers, 1933 to 1944. 573

F35b Fraser River (District I) packs of canned salmon and steelhead, not adjusted for transfers, and adjusted/unadjusted canned pack ratios, 1933 to 1944. 574

F36a Fraser River production by product category and estimates of equivalent landed weight, 1933-1944. 575

F36b Fraser River canned packs and products expressed in tonnes of GLW unadjusted for transfers, adjusted for transfers, and scaled to equal DBS GLW, 1933 to 1944. 576

F37 Net transfers of salmon and steelhead used for canning for the Naas River, 1925-1929. 577

F38 Net transfers of salmon and steelhead used for canning for the Skeena River, 1925-1929. 578

F39 Net transfers of salmon and steelhead used for canning for the North Coast, 1920-1929. 579

F40 Net transfers of salmon and steelhead used for canning for Rivers and Smith Inlets, 1920-1929. 580

F41 Landings adjustment factors for the Queen Charlotte Islands, 1920-1929. 581

F42 Landings adjustment factors for the Naas River, 1920-1929. 582

F43 Landings adjustment factors for the Skeena River, 1920-1929. 583

F44 Landings adjustment factors for the North Coast, 1920-1929. 584

F45 Landings adjustment factors for Rivers and Smith Inlets, 1920-1929 585

F46 Comparison of DBS and DMF total GLWs, 1930-1933. 586

F47 Landings adjustment factors for Johnstone Strait, 1934-1939. 587

F48 Landings adjustment factors for the Strait of Georgia, 1934-1939. 588

F49 Landings adjustment factors for Juan de Fuca Strait, 1934-1939. 589

F50 Landings adjustment factors for the West Coast of Vancouver Island,1934-1939. 590

F51 Salmon and steelhead catches for 1945-1950 from Schedule 1A forms. 591

PROCEDURES USED TO ACCOUNT FOR TRANSFERS OF SALMON BETWEEN AREAS

1. INTRODUCTION

After the First World War there were growing transfers of harvested salmon from one area to another, reflecting business decisions aimed at increasing processing efficiency and relocation and ownership of processing plants. For this reason, data on quantities of salmon processed in each area increasingly failed to reflect quantities of salmon actually harvested in each area. Responding to this shortcoming, from 1933 through 1950, Dominion government reports provided estimates of landings by area developed from production data, but taking into account transfers of unprocessed fish between areas. Such corrections were not made in the official statistics before 1933.

The purpose of this Appendix is first to document and assess Department of Marine and Fisheries (DMF) procedures to account for transfers of salmon between areas from 1933 onward, second to examine the extent to which omission of data on such transfers prior to 1933 introduced errors into harvest estimates for that period, and third to explain procedures we used to attempt to correct for these transfers.

The basic building blocks of the analysis are archival records of production by processors or by groups of fishermen. The information was provided to DMF on a routine basis by company bookkeepers or was collected directly by Fishery Officers. Section 2 describes the production records for canned pack and products, and using 1933 data for demonstration, illustrates general procedures used by DMF staff to convert production data into the estimates of green landed weight (GLW) by area that were presented in published annual statistical reports of the Dominion Bureau of Statistics (DBS). Sections 3 to 5 describe how we accounted for 1933-1944 transfers in each DMF District.

Prior to 1933, even though the published annual records of harvest were not adjusted to take account of movements of unprocessed fish, DMF staff kept some records of such transfers. Considering such fragmentary records, Section 6 examines the extent to which the published data on landings by areas prior to 1933 might be biased through failure to take transfers into account and describes the procedures we used to adjust for transfers prior to 1933. Section 7 describes DMF's 1945-1950 transfer-adjusted data.

2. VERIFICATION OF DMF'S CONVERSION OF 1933 PRODUCT DATA TO LANDINGS DATA

As a prelude to consideration of data on transfers of unprocessed salmon between areas, we sought a precise understanding of DMF's methods for compiling canned pack and product statistics, and then deriving estimates of catches from the production statistics. Using 1933 data as an example, we verify how statistics for canned packs and other products collected from processors and fishermen were compiled by DMF in order to develop estimates of GLW.

2.1. Basic Forms

Published Annual Statistics, such as those for 1933 illustrated in Table F1, provide compilations of the quantities of seven different salmon products (canned, dry-salted, pickled, fresh/frozen, smoked, mild cured and bait) that were processed in various areas throughout the coastal waters of the Province. Data collected to provide these aggregate figures were compiled using a series of four basic data collection forms: mimeographed Supplemental Schedules completed by company bookkeepers, printed Supplemental Schedules completed by Fishery Officers, Schedule IIs and Schedule 1As (see Section 9 of Appendix B for further description of the forms).

The most basic forms were the mimeographed Supplemental Schedules on which commercial processors recorded the annual quantities of canned and other products processed in their individual establishments (e.g. Table B28 of Appendix B). The compilations included provisions for recording the species composition of salmon used for the various products, information that was never published but which was of immense value to us in the preparation of harvest estimates.

Printed Supplemental Schedules (e.g. Table B23) containing totals for the canned pack and other products put up by each establishment were used by DBS in Ottawa to compile annual production statistics for each area. These forms were apparently completed by Fisheries Officers on the basis of information provided by company bookkeepers on the mimeographed Supplemental Schedules described in the paragraph above. However, the printed Supplemental Schedules did not provide for species breakdowns.

All commercial processors were required to complete mimeographed Supplemental Schedules. There were, however, other channels for trade not covered by the operations of the processing companies. These channels included direct sales by fishermen to fish buyers and the public, particularly in southern British Columbia where such sales accounted for substantial quantities of fish that were sold fresh. Schedule II forms (e.g. Table B27), completed by Fishery Officers, provided estimates of the quantities of such fish "prepared by fishermen" in each area.

Finally, DMF staff prepared Schedule 1A forms (e.g. Table B25) providing estimates of the total weight and value of salmon (and other species) landed in each area. Starting in 1933 these estimates of GLW were adjusted for transfers (see Sections 3-5 below).

2.2. Confirmation of Published Data from Primary Sources

2.2.1. Canned pack and product compilations from primary sources

For the 1933 season, we tabulated production data from the various forms and analysed them to assess their internal consistency and their relationship to material published in the DBS annual report for 1933. The basic approach involved assembling estimates of the quantities of canned packs and other products processed from each of the sources, then converting these to estimates of GLW using conversion factors employed by DMF at the time, and finally comparing the results of these transformations with data in the DBS statistical reports.

Table F2 presents a tabulation of 1933 data from the mimeographed Supplemental Schedules completed by individual processors. The first two columns on the left of the table list DBS statistical areas (numbered rows in their reports) and equivalent modern DFO statistical areas. Rows represent data for a single "species"[1] for a specific company (see footnote to the Table for species codes). Companies have been numbered from 1 to 108 to preserve the confidentiality of their data; companies that did not include data on salmon production have been excluded from the table.

Table F3 presents consolidations of data from Table F2 including summaries by area (rows), species (columns) and product (parts "a" to "h"). The columns present data on the magnitude of the canned pack (in cases) and on the quantities of other products processed (in cwt) for each species. In Table F4 we convert the product data into estimated green landed weight (GLW) using the standard conversion factors (Appendix Table D8). The upper panel of the table provides a summary of the canned pack and other product data for the Province as a whole; the lower panel provides area and species breakdowns for GLW.[2] Product totals (second to last row in part "a") are the same as those provided in the DBS report (see row 1 of Table F1) except for fresh/frozen and bait which, in Table F4, excludes quantities of these products that were prepared by fishermen.

The Supplemental Schedules do not provide data on the species composition of bait. Some companies provided such information in other years but not in 1933.

Tables F5a and F5b summarise data from the printed Supplemental Schedules for 1933 that were prepared by Fisheries Officers. It will be noted that the total amounts for each product in this table are identical to the unadjusted totals we calculated in Table F4, as are the "apples and oranges" totals of cases plus cwt (i.e. 1,488,631) at the bottom of these tables. We conclude that the tables completed by the Officers represented summaries assembled from the information prepared by companies on the mimeographed Supplemental Schedule forms (data reproduced in Table F2) described above.[3]

As outlined previously, data on the mimeographed Supplementary Schedules covered non-canned products prepared by processors. In addition, products (almost all fresh fish) "prepared by fishermen" and sold directly by them to the public or retailers were estimated by Fishery Officers for each area and the data recorded on Schedule II forms. Data from Schedule II forms for the 1933 season are summarised in Table F6.

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[1] On these Supplemental Schedules chinook were recorded by flesh colour and size e.g. red spring, white spring, jack spring (<5 lb). Small coho are referred to as bluebacks.

[2] These data are used later in the transfer analysis. Note that salmon roe has been excluded from the grand total GLW; this was standard DMF/DBS practice since roe was a byproduct and thus was accounted for in the grossed-up amounts for other products. Note also that, for the most part, from 1933 onward the companies provided product data by species, thereby largely eliminating the need to use any global species composition data to convert total GLW to GLW by species.

[3] The Schedule for company 13 in District I contained a footnote stating that 14 cwt of "salmon eggs - bait (was) ... specially put up in glass bottles for shipment to various places where it is sold to anglers." Since eggs were a byproduct, this item was not included in the DBS publication under bait; surprisingly, it was also omitted under roe in the DBS report (see roe data for District I in Tables F1 and F2).

The top panel of Table F7 reproduces the data that were published in the 1933 DBS report (from Table F1). The bottom panel combines our analyses of the primary data from Tables F4 to F6 and shows the total weights of each product, by area of processing, as in the top panel. It will be noted that, with the exception of two entries for fresh/frozen product (resulting in a total difference between the published and original data of only 1,441 cwt), the data from the primary sources and DBS's published statistics are identical.

For the entire Province, the estimated total GLW by DMF was 1,410,504 cwt (see data column 1, top panel of Table F7). Application of conversion factors in Appendix D to our summary of primary canned pack and product data provided an estimated total landed weight for the Province of 1,410,591, almost identical to the published total (see total for "Calculated GLW" in the lower panel of Table F7). The closeness of the two totals confirms our interpretations (summarised in Appendix D) of conversion procedures used by DFO statisticians prior to 1951. Furthermore, as will be discussed below, it is apparent that the minor discrepancies were incorporated by DBS in their published GLW data but not in their published product data.

2.2.2. Minor differences between published and primary data

Further study of the data provided the explanation for the minor discrepancies discussed in the preceding section. The first inconsistency involved a difference of 500 cwt for fresh/frozen salmon in DBS area 21. This was a correction to Schedule II for area 21 (hand written in Table F8) that probably was not received in time for publication in the DBS report.

The second inconsistency involved fresh/frozen salmon in DBS area 3 (i.e. Fraser River/District I) where the total for fresh/frozen salmon was 941 cwt higher on the Schedules than in the DBS report. A thorough search of the documents revealed a footnote at the bottom of Schedule 1A for District I (Table F9) stating that 941 cwt of sockeye, imported for canning from the U.S, was included in the landed weight of salmon in District I. Presumably these fish were canned by one of the companies that submitted Supplemental Schedules, although there was no mention of this on the Schedules. Surprisingly, DBS subtracted the 941 cwt of sockeye from fresh/frozen salmon, rather than from canned salmon, even though, as shown in Table F3, companies reported only 192 cwt of sockeye marketed fresh in District I (to our knowledge DBS did not have copies of the mimeographed Supplemental Schedules from companies containing species breakdowns, so would not likely have known the species composition of fresh/frozen salmon).

A search of correspondence and DMF worksheets summarizing data on canned and fresh production for 1933 (Table F10) failed to provide an explanation of how the imported sockeye were accounted for in records for that year. Furthermore, DBS did not reduce GLW by the amount of imported sockeye (compare GLWs for DBS area 3 in Table F7 part "a" first data column second to last row and Table F9 third entry in column 2), but did so reduce the amount of fresh/frozen salmon (compare area 3 totals in parts a and b of Table F7). This suggested that all was not quite as it seemed. A solution to the puzzle begins to appear, however, if we assume that in the footnote "(note included in above figures)" on the Schedule 1A for area 3 (Table F9) should have read "(*not* included in above figures)" [underlining and italics added by the authors]. Then, altering fresh/frozen, but not canned, follows if DBS assumed (incorrectly as we observe above) that the 941 cwt was recorded on the Supplemental Schedules both as fresh salmon, since fresh was likely the form in which it was imported, and as canned salmon, the form in which it eventually ended up. Under these circumstances it would be logical for DBS to delete an amount they considered was double counted, i.e. as fresh/frozen and canned products, and to leave the canned pack alone since this was the form in which the sockeye were marketed. Alternatively, if DBS statisticians believed that the 941 cwt were first landed in the United States, and therefore were not, and should not have been included in the GLW for District I, then DBS would be correct, given the footnote as written, in reducing fresh frozen product, thus correcting for a presumed error by Fishery Officers, and not altering GLW since the sockeye were not landed in District I. We have ignored imports from the United States on the basis that the second explanation is correct.[4]

2.3. Summary

From the foregoing, it is concluded that 1933 schedules in archival files of the DMF were the original data from which the DBS published statistics for Pacific coast salmon and steelhead landings were calculated. Analyses of information for 1923 and 1946 gave similar positive results. On the basis of these reassuring checks, we moved on to the next stage of their analyses, namely the study of procedures used by DMF for accounting for transfers of raw material between areas. We start with District II because this district had the most complete set of available data with which to illustrate our procedures.

3. TRANSFERS OF UNPROCESSED SALMON, DISTRICT II, 1933-1944

The treatment of the transfer data by DMF staff and our consideration of these data varied somewhat between administrative Districts. For this reason, separate coverage is provided for District II (the North Coast – this Section), District III (Vancouver Island and the adjacent Mainland - Section 4) and District I (the Fraser River and Howe Sound - Section 5).[5]

3.1. Basic Approach

Having established GLW values for fish processed in each area, we now turn to procedures used by DMF to adjust for transfers of raw material between areas in order to estimate fish caught and landed within areas. The algorithm for determining the net harvest in each area is, in principle, quite simple:

GLW CAUGHT IN AREA = GLW PRODUCED IN AREA - GLW SHIPPED INTO AREA + GLW SHIPPED OUT OF AREA where, GLW PRODUCED IN AREA is the landed weight calculated from the canned pack and products that were put up in the area, GLW SHIPPED INTO AREA is the landed weight of salmon and steelhead shipped into the area for processing from other areas, and GLW SHIPPED OUT OF AREA is the landed weight of salmon and steelhead that were shipped from the area to other areas for processing. Analyses of transfer data for the post-1932 period for District II are outlined below.[6]

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[4] For a number of years between 1889 and 1913 the Fraser River canned pack of sockeye included small amounts of sockeye that had bee caught by United States traps at Point Roberts (Gilhousen 1992).

[5] Main text Figures 1 and 3 show the boundaries of the Districts referred to in this Appendix .

3.2. Available Records

As outlined in the main text of this report, the chief deficiency of the published statistics prior to 1951 is that they do not provide species breakdowns for individual areas. It is known that DMF Fishery Officers from the 1930s through the 1940s compiled estimated catches by species (in cwt) and by area, which were consolidated by Percy Wickett (Anonymous 1963). Portions of the original material for this consolidation were found in archival files. The most complete of these were tables from DMF's Prince Rupert Office which provided data on catches and also assessments of the extent of spawning for each area for 1930-1954, referred to as the "Prince Rupert" data throughout this paper, an example of which is illustrated in Table F11. Comparison of the Prince Rupert data with the data compiled by Wickett reveal that, aside from minor inconsistencies that appeared to have resulted from transcription errors, omission of steelhead, and occasional omission of bluebacks (small coho) in the data provided to Wickett, the two data sets were identical.

Along with the Schedules discussed in detail in Section 2 above, DMF files for the 1930s and 1940s contain a series of worksheets developed in order to estimate the quantities of fish transferred between areas. The origin of data included in the worksheets is not known, but the information most likely was provided to DMF Fishery Officers by company bookkeepers. Table F12 reproduces the 1933 worksheets for District II (similar District II worksheets are available for most years between 1933 and 1944). The worksheets provided information on the quantities of each species (in cwt or cases, abbreviation "cs") that were transferred into and out of each area.

3.3. Comparison of Estimates of Landings Adjusted for Transfers

The following analysis of 1933 data was conducted to study the relationship between the GLW we estimated from our transfer analysis of the raw data, using the basic computational algorithm described in Section 3.1, the DMF Prince Rupert data for salmon and steelhead GLW by species and area, and the published records of total salmon GLW contained in annual DBS reports.

The raw 1933 transfer data for District II in Table F12 are summarised in Tables F13 to F18 (one table for each species). Data in each row reflect transfers out of an area, whereas data in each column reflect transfers into an area. District I (Fraser River, DBS area 3) and Cape Scott to Tuna Point (DBS area 17) are included because District II salmon were shipped to these areas. Alaska was included because some salmon were shipped from there into District II. All canned pack data have been converted from cases to GLW (in cwt) using a conversion factor of 0.84 cwt per case. Values in the column on the far right titled "Net Into/(Out)" show net movement of fish for each area; these values equal column totals less row totals. Negative values (in brackets) indicate a net movement of salmon out of an area.

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[6] It should be noted that, although the present section deals with the post-1932 period, as discussed in section 6.2.3., for District II transfer adjusted landings are available back to 1930.

The comparison proceeds as follows. Part b) of Table F4 in Section 2 above listed the green landed weights of each species that were processed in each area within District II. These data, which we prepared from the primary information, are reproduced again as Panel A of Table F19.[7] The net transfer data developed in Tables F13 to F18, as described in the preceding paragraph, are listed in Panel B of Table F19. In Panel C, the estimated catch of salmon in each area (regardless of where processed) is obtained by subtracting the totals in Panel B from those in Panel A. Panel D in Table F19 contains GLW, adjusted for transfers, listed in the DMF tables that were obtained from Prince Rupert as described in Section 3.2 above.

Comparison of Panels C and D shows that the estimated catches derived from the transfer data are very similar to those in the Prince Rupert archival record. To compare the two sets of data further, each element of the Prince Rupert data from Panel D of Table F19 has been divided by the comparable element from Panel C (Table F20). The comparison shows that in 57 of 60 cases the two data sets differ by less than one percent, and in only two of these cases were the differences more than five percent. Most of the minor discrepancies can be attributed to rounding or arithmetic errors by DMF. It would appear that the 2,703 cwt difference between DMF's and our transfer analysis for area 10 reflects a correction that DMF made some time after DBS data were published, since the DBS total for area 10 and our transfer analysis total for this area differed by only 191 cwt (51,548 cwt in Table F1 compared to 51,357 cwt in Panel C of Table F19). This small difference was due to our exclusion of bait in the transfer analysis. It would also appear that, at a later date, DMF corrected the Skeena River GLW for chinook by 1,417 cwt; this accounts for most of the 1,451 cwt difference in total GLW for Skeena River between DMF's transfer data and our transfer analysis for 1933 using FRC archival material.

The top ten rows of Table F21 provide a comparison of three different estimates of total GLW for areas within District II, derived from the various sources cited above. The first column of data lists estimates of GLW from the DBS statistical report for 1933, the second column of figures lists the sum of GLW from DMF Schedule 1A and Schedule II forms, the third set of estimates in column four was derived by the authors through the 1933 transfer analysis. Analysis of the District III (DBS areas 17-28) and District I (area 3) data in Table F21 is left to Section 4 below.

For District II, the table indicates that data in the DBS annual report and from the Schedules were identical. A few differences existed between data from the DBS report and our transfer analysis using original source data. Most of these differences, however, were minor and likely due to rounding or to arithmetic errors by DMF. The 191cwt difference for area 10 was, as mentioned, due to our exclusion of bait from the tabulations (see footnote 7 of this Appendix). The difference of 1,451 cwt for DBS area 8 was apparently due to an error on the original DMF transfer worksheets (Table F12), since GLW for DBS area 8 from the DBS report, the Schedules, and the DMF summary table (Table F22), were all identical. It is likely that the transfer worksheets were preliminary, judging from the amount of handwriting on them, hence more likely to contain errors.

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[7] Note that 196 cwt of salmon used for bait in area 10 were omitted because of lack of information on species composition.

In addition to the data sources cited above, information on salmon production and catches throughout the history of the salmon fishery has been provided in the DFO Statistical Basebook (No. 3) published in 1958 (Anonymous 1958). For canned salmon production, for various statistical areas, the Basebook provides estimates of production in individual areas (regardless of where caught) and of production from individual areas (regardless of where processed). For District II in 1933, Table F23 compares transfers derived from the Basebook figures of production in and production from District II areas (last column), with information on transfers derived from the authors' transfer analysis based on DMF worksheet data (canned pack data in Table F12). For the areas for which the Basebook provided canned pack data for 1933 (Nass River, Skeena River and Rivers and Smith Inlets), the compilations of transfers are identical.

3.4. Summary

From the foregoing analyses and comparisons of 1933 data from various sources (and several data sets for later years), we have reconstructed the process by which DMF compiled quantities of canned and other products for each area along the north coast of British Columbia (District II), and the process by which DMF estimated the amounts of salmon and steelhead caught and landed in each area through 1950. We have established that data provided by processors on the canned packs and other products processed at each facility (on Supplementary Schedule forms), and provided by Fishery Officers for quantities of salmon prepared by fishermen (on Schedule II forms) were the basis for the DMF compilations. In order to provide estimates of GLW within areas, allowances had to be made for transfers of raw material between areas. This was done by adjusting the processing data using information provided by processors on the quantities of raw product they received from outside the area their plants were located in. Estimates of total production in GLW developed by making such adjustments were summarised on Schedule 1A forms. The data in these forms in turn formed the basis for total weights of salmon caught and landed in each area, which were then published in DBS Annual Reports.

The Supplemental Schedules prepared by processors contained species breakdowns for each product. We established that these data for each species, along with estimates of transfers by species, were used by DMF to prepare unpublished tables (obtained from DFO's Prince Rupert office) of green landed weight by species and area for individual areas in District II. There were only minor differences between annual totals of GLW by area from the unpublished Prince Rupert data and from the published DBS data. We conclude that the unpublished Prince Rupert data for the period 1933 to 1944 represent a thorough attempt to fully take into account transfers between areas and as such are the best available record of annual landings of each species in each District II area.

4. TRANSFERS OF UNPROCESSED SALMON, DISTRICT III, 1933-1944

4.1. Background

For District III, comprising Vancouver Island and adjacent mainland areas (DBS areas 17 to 28), summary information on transfers of raw product is not available in as great detail as it was for District II to the north. Whereas District II transfer worksheets (e.g. Table F12) provided breakdowns by species, comparable worksheets for District III did not (e.g. Table F24). This probably explains why there were no District III tables of GLW by species and area similar to those found for District II in the Prince Rupert archives (e.g. Table F11).[8]

Although data for District III are incomplete, DMF archival files for the District at the Federal Record Centre did contain a mixture of "Statements" (e.g. Table F25), correspondence (e.g. Table F26), worksheets (e.g. Table F27) and Appendices to the mimeographed Supplemental Schedules (e.g. Table F28),[9] each of which contained some data on species composition of transfers. Data such as these, in combination with canned pack and product amounts from the Schedules, were sufficient for reconstructing District III landings by species and area for 1933-1944, adjusted for transfers. Sections below detail the adaptations of DMF procedures that we used to develop our harvest estimates for the period.

4.2. Data for 1933

As described in Section 3, for District II, we selected 1933 as the example year for our examination of DMF procedures for estimating catches by area and species. Unfortunately, there were deficiencies in the transfer data for District III for that year, which gave DBS a number of problems in preparing its annual published report that year. As discussed in Section 2 above, Schedule 1A forms provide Fishery Officers' consolidated estimates of the total quantities and values of fish landed in each area. As shown in Table F21 for District II, GLW figures for each area in the published DBS reports were identical to the figures submitted by Fishery Officers on Schedules 1A. As also shown in Table F21, however, there were substantial differences for half of the District III areas (DBS areas 17 through 21, and 23) between the published figures and the Schedule data.

In a June 1934 DMF memorandum (Table F29), the anonymous author noted that these differences reflected corrections made by DBS as a result of inconsistencies in the original District III data submitted from Pacific Region. Apparently DMF could not account for approximately 46,000 cwt of salmon shipped out of District III areas

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[8] Statistical material in Anonymous (1963) contained some District III breakouts by species and area, but for the most part totals for GLWs per area were substantially less than those published for District III areas by DBS, suggesting that the data used in making the compilations in Anonymous (1963) were incomplete.

[9] The first Appendices to the Supplemental Schedules were found in the 1937 file for District III. In 1935 and 1936, a few companies included transfer information at the bottom of page four of the mimeographed Supplemental Schedules (e.g. Table B28). Prior to 1935, it would appear that District III Fishery Officers obtained most transfer information directly from company bookkeepers.

(compare comments in Table F29 with data in Table F22). DMF suggested that the discrepancy be adjusted for by increasing "pro rata" the "caught and landed [GLW]" for all District III areas. The suggestion of prorating, however, was not followed by DMF, although the adjustments DBS made to selected District III areas did total exactly 46,000 cwt (Table F21). Apparently it was decided later that the bulk of the unaccounted cwt were from the Johnstone Strait and Strait of Georgia areas. The changes increased GLW in the Strait of Georgia by 57 percent, GLW in Johnstone Strait by 4 percent, GLW on the West Coast of Vancouver Island (WCVI) by 8 percent, whereas GLW in Juan de Fuca Strait remained the same (Table F21). In any event, the alteration in the data between the original submission of data from the Region and the final publication of data by DBS provides an interesting insight into the procedures used by DMF for arraying and analyzing the catch information.

Because of these discrepancies for the example year, we selected another year, 1939, for which the data were less equivocal and more complete, to illustrate the procedures used to adjust District III landings for transfers.

4.3. Data for 1939

4.3.1. Analytical procedures

Lacking comprehensive summary material for District III such as that available for District II, estimates of the GLW of each species in each area were developed by prorating the published data on GLW (not broken down by species) on the basis of archival information on species composition contained in statistical forms, tables in the statistical files, and in correspondence (e.g., Tables F24 to F28). It will be remembered that the published total GLW data were adjusted for transfers by DMF from 1933 onward.

The first task was to determine the completeness of information contained in mimeographed Supplementary Schedules which cover the production from processing facilities. All canned pack and non-canned product data for each species from the Schedules for each facility were entered into Lotus 1-2-3™ files. Summaries, similar to Tables F3 and F4, were prepared for each year so that data from the Schedules could be compared with those in the DBS report. Where the Supplemental Schedule data were complete, the species breakdowns provided the quantities of canned and other products for each area and species. In the few cases where Supplemental Schedule data for each species were incomplete or missing, species compositions from available data were used to prorate DBS totals to species, or else species compositions developed in Appendix E were used to partition the DBS canned pack/product totals by area to species.

The second step was to determine the amounts of each salmon species that were reported in aggregate on Schedule IIs (quantities of salmon prepared by fishermen).[10] Species composition data were available for many areas on worksheets from the District III files (e.g., "Bought and sold fresh by Fish Buyers" and "sold fresh locally"; see page 2 of Table F27); otherwise Schedule II salmon were allocated to species following methods described in Section 3.1.1 of Appendix E.

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[10] Schedule II fresh salmon prepared by fishermen and sold locally accounted for most of the total fresh/frozen salmon in District III, whereas in District II, small amounts of Schedule II fresh salmon were put up only in the Skeena River area.

The third step was the transfer analysis described below.

4.3.2. Example transfer analysis for 1939.

4.3.2.1. Transfer accounting procedure

To begin the District III transfer analysis, we constructed worksheets such as those illustrated by Table F30. On the right are the DMF totals of salmon and steelhead "Shipped Out", salmon and steelhead "Shipped In", and salmon and steelhead recorded on Schedule II forms (from Table F24 - similar tables were available for each DBS area and year).

There were some minor errors in the DMF data. For example, on page 2 of Table 27 the total of Schedule II salmon and steelhead "Bought and sold fresh by Fish Buyers" for area 17 ("Cape Scott-Tuna Point" in the DMF worksheets) in 1939 was actually 13,607 cwt, not 13,517 as was incorrectly totalled on the table. There were several instances where transfer data from DMF Fishery Officers in the field totalled more or less than the amounts DMF statisticians recorded on the summary worksheets. For example, compare totals shipped out in Table F25 (13,946 cwt) with Table 24 data (9,376 cwt) for the Cape Scott-Cape Cook area (Quatsino). Since we had no way to determine whether these differences were due to arithmetic errors, transcription errors, or to incomplete information sent by the Fishery Officers, we decided to treat the source data (e.g. Tables F25-F28) as "samples" and prorate DMF totals in Table F24 using species compositions based on the sample data. We used this procedure for the shipped in, shipped out and Schedule II categories throughout the analysis of District III transfers. By following this approach, our totals are the same as those in Table F24 (except for rounding), but the species totals often differ from those in the source data. The abbreviation "adj" on the left in our worksheets (Table F30) indicates that the species totals have been prorated (adjusted).

There were a few situations where assumed species compositions had to be used because of missing transfer data. For instance, for area 22 in 1939 (Table F30) it was assumed that salmon shipped into Victoria from the west coast of Vancouver Island were evenly divided between chinook and coho, based on species compositions for salmon shipped to Victoria in 1938 and 1940. Finally, when there were no Schedule II data, average species compositions from Table E22 in Appendix E were used; this was noted on the worksheets (e.g. areas 21 and 22 in Table F30).

4.3.2.2. Landed weights by species

In the next step, the transfer and Schedule II data from our worksheets were combined (Table F31). Unfortunately, it was not possible to show the destination of each area's transfers, as in Tables F13 to F18 for District II, due to the inexact nature of most District

III transfer data; nevertheless, information was sufficient to calculate net transfers, by species, for each area.

The final step was to prepare a table of GLW, by species and our major areas (Johnstone Strait, Strait of Georgia, Juan de Fuca Strait, WCVI in Table F32),[11] by adding landed weights from:

1) canned packs and other products,
2) locally sold salmon recorded on Schedule II forms ("Fresh Fish GLW"), and
3) net transfers ("Net TSF GLW").

Annual GLWs from tables such as Table F32 for 1939 were copied to main text Tables 33 through 36.

There were a few cases where GLW from the District III transfer summaries (Table F24) and GLW in the DBS reports did not agree (e.g. for 1939, area 17, comprising Cape Scott to Tuna Point: DMF = 224,498 cwt, DBS = 231,125 cwt). These differences were always relatively small, but were next to impossible to resolve because DMF files for District III did not contain amended data. We suspect that statisticians at Vancouver headquarters of DMF were responsible for the amendments. They likely had copies of data for each District and so would have been in a better position to correct errors or omissions, which they would then have forwarded directly to DBS. Unfortunately, few of these revisions were found in the archive files. In all of these cases we accepted the DMF numbers for our landed weight calculations on the assumption these were late amendments that DBS had not incorporated in their published statistics.

4.3.3. Special Procedures for 1933 and 1941

The procedures outlined above were used for most years between 1933 and 1944. There were two years, however, 1933 and 1941, when procedures differed. In 1933, canned pack and product statistics posed no problems, but as outlined in Section 4.2 above, data on transfers were another matter. Judging from the 1933/1934 correspondence, the transfer bookkeeping system was poorly understood by DMF personnel from District III. As a result, few useful data were received from officers in the field and transfer summaries were not prepared. We did manage to salvage some 1933 species composition data for the larger areas of this report. To use these data, it was assumed that the difference between DBS's GLW and GLW based on grossed-up products and canned packs, were fish that were transferred out of District III. These net transfers were multiplied by species compositions and the results added to GLW by species from other product and canned pack figures to give an estimate of GLW by species and area, adjusted for transfers. The system worked after a fashion for Johnstone Strait, Strait of Georgia and the WCVI, but did not work for Juan de Fuca Strait where there was a net transfer of salmon into the area. For Juan de Fuca Strait, we used data compiled by Wickett (Anonymous1963) since total GLW from this source agreed with that in the DBS report. Schedule II data were also difficult to sort out for 1933, so we used 1927-1930 average species compositions (Table E23 of Appendix E) to allocate Schedule II salmon to species.

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[11] DBS areas making up our major areas for District III in 1939 were: 17 and 18 for Johnstone Strait, 19 through 21 for Strait of Georgia; 22 for Juan de Fuca Strait; and, 23 through 28 for West Coast of Vancouver Island. Appendix C describes the groupings of DBS and DMF area names into the 10 major areas used in this report.

In 1941, the Appendix to the Supplemental Schedule for the B.C. Packer's plant at Kildonan on the WCVI was missing. This eliminated the bulk of transfer data between the West Coast areas and areas in Districts I and III. Fortunately, DMF had prepared an analysis captioned "Summary of Catch in Statistical Areas of District 3 1941". Since total GLWs for each area from this analysis were similar to DBS totals for each area, it was concluded that the DMF analysis accounted for transfers. The DMF data were then used to construct species compositions, which were applied to DBS total GLWs in order to estimate GLW by species and area for this report.

4.4. Comparison of Transfer Analyses for District III in 1940

DMF files for 1940 contained a summary table of landings by species for District III (Table F33). It was of interest to compare this table, prepared by DMF field staff at the time, with the results of our calculations. Table F34 makes such a comparison. Data are presented for the four major areas of District III. In fourteen of twenty-three comparisons, the ratios of DMF to calculated GLWs were between 0.9 and 1.1, an additional five ratios were between 0.7 and 1.3, and five were less than 0.7 or greater than 1.3. The latter five comparisons involved species for which landings were minor. In these cases small misallocation of dominant species would have resulted in disproportionately large changes to minor species.

In general, the level of agreement between the two 1940 data sets was encouraging. However, 1940 was the only year for which District III data were found in this form in the archive files. It is possible that DMF's analyses for other years have simply been lost. We feel, however, it is more likely that DMF field officers in the District placed less emphasis on detailed species by species information than did their colleagues in District II. It is also likely that detailed information on transfers in District III were more difficult to obtain, and the fisheries and processing establishments in District III were more dispersed than in District II. The proximity of many District III fisheries to the highly concentrated processing plants in District I (which would have been the main recipient of transferred fish from District III) undoubtedly added difficulties to keeping track of unprocessed fish movements out of the District.

4.5. Summary

We carried out the transfer analyses outlined in Section 4.3 above to provide estimates of landings by species by area for District III for the 1933-1944 period. From information presented in Sections 4.2 through 4.4 above, it is evident that whereas, on an aggregate tonnage basis (i.e., not broken down by species) the figures will be consistent with published DBS totals (As explained in Section 4.3.2.2 of this Appendix, there were several instances where we used DMF total GLWs), the estimates of landings broken down by species will not be as reliable as those developed on a painstaking basis by DMF officers for District II. Nevertheless, the comparison of 1940 data we derived with

DMF's transfer-adjusted figures on landings by species (discussed in Section 4.4) are encouraging and suggest that our estimates of landings by species in fishing areas of southern British Columbia outside the Fraser are reasonably accurate.

5. TRANSFERS OF UNPROCESSED SALMON, DISTRICT I, 1933-1944

5.1. Background

Detailed data on transfers associated with District I (Fraser River, New Westminster, the greater Vancouver area and Howe) were even more skeletal than those for District III. The sparseness of archival material for the historically important Fraser River District suggests strongly that a substantial part of the District's statistical record may have been lost.[12] Faced with lack of file data, we derived estimates of Fraser catches by species by partitioning the published DBS GLW figures among species on the basis of information contained in official statistical schedule forms and, in some cases, on outside sources such as the paper by Rounsefell and Kelez (1938) on fisheries in the approaches to the Fraser River and the DFO Statistical Basebook (Anonymous 1958).

5.2. Canned Pack

The first step was to obtain canned pack statistics. For District I for 1934 through 1944, Anonymous (1958) tabulates packs of canned salmon and steelhead by species, processed from fish landed in the District (i.e., adjusted for transfers of raw fish in and out of the District - see Table 15 in the Basebook). Rounsefell and Kelez (1938) provided similar, transfer-adjusted data for Fraser sockeye, pink and coho in 1933. Table 16 in the Basebook lists the total pack, by species that was put up on the Fraser from salmon and steelhead landed on the Fraser and elsewhere.

Pack data (in cases) from Basebook Table 15 and from Rounsefell and Kelez are reproduced in Table F35a. Transfers are accounted for by species in the pack statistics for 1934 to 1944 and in the pack statistics for sockeye, pink and coho in 1933. By not accounting for chum, chinook and steelhead transfers in 1933, packs of these species are likely overestimated due to inclusion of transfers into District I.

Canned packs from Table 16 in Anonymous (1958) are reproduced in the top portion of Table F35b. The ratios of adjusted to unadjusted canned packs (transfer adjustment factors for canned salmon) are in the lower portion of Table 35b. For sockeye, ratios close to 1.0 mean that most of the sockeye canned in the Fraser area came from sockeye that were caught and landed on the Fraser. A similar conclusion can be drawn for chinook and steelhead (in most years). On the other hand, chum and coho ratios around 0.3 translate to around 70% of the Fraser area pack originating from landings outside

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[12] When the International Pacific Salmon Fisheries Commission (IPSFC) was formed in 1937, Commission staff obtained very detailed records of catches of sockeye in the Fraser River by day. Even as late as 1957, when IPSFC assumed responsibility for management of pink salmon fisheries in the Fraser Convention area, the staff was able to obtain similar daily records for pink catches back into the early 1940s. Further research on the sources of such detailed records might be rewarding. To date, however, we have been unable to unearth such archival material and have tentatively concluded that much statistical material was discarded when DMF files were sorted for shipment to the archives.

District I. Pink salmon packs on the off-cycle year for Fraser River stocks (even years), clearly originated almost exclusively (>99%) from fish caught in other areas. For the odd-years, between 19% and 65% of pink salmon packed on the Fraser were caught and landed there.

5.3. Non-Canned Production

For products other than canned salmon, statistics for 1933 to 1944 were compiled from the same Supplemental Schedule and Schedule II forms that were used to produce the product totals in the DBS Annual Reports. These data were entered into spreadsheet files following methods described in Section 2.2 above. Annual totals for each product from the Schedules were the same as annual totals in the DBS reports; the Schedules allowed fresh/frozen to be broken into the categories "prepared by companies" and "prepared by fishermen". Annual species compositions were calculated for each product in the manner described in Section 3 of Appendix E and then were applied to the GLW from products.

Since data for products other than canned salmon were not adjusted for transfers, but canned pack data were, the approach taken first involved calculation of product GLW, adjusted for transfers. We compared two approaches for this task. Different assumptions underlie each approach.

For the first method we subtracted the GLW for canned salmon, adjusted for transfers, from the DBS total GLW for District I that also had been adjusted for transfers. This left the total quantity of salmon caught and landed in District I that went into non-canned products (column labelled "Difference" in Table F36a). This residual quantity then had to be allocated to species. For this analysis it was assumed that the species composition of products processed on the Fraser from salmon caught on the Fraser was the same as the species composition of products processed on the Fraser from salmon landed on the Fraser and elsewhere. Product amounts in Table F36a were converted to GLWs based on the annual species compositions for each product from Appendix E (Table E21). The resulting GLWs by species, converted to proportions, were multiplied by the residual GLWs in the "Difference" column to provide estimates of GLW by species for products, adjusted for transfers (right side of Table 36a).

This approach resulted in a negative value for product GLW in 1941 and relatively high even-year pink salmon GLWs, between 50 and 450 mt. High even-year pink GLWs for products likely resulted from transfers of pinks from fisheries in Johnstone Strait. It is unlikely that these were from even-year District I stocks, as there are no records since the 1940s of even-year catches of this magnitude (Jim Woodey, Senior Scientist, Pacific Salmon Commission, pers. comm.), and earlier even-year catches (1926-1934) reported by Rounsefell and Kelez (1938) were one fifth to an order of magnitude lower. As a result of these anomalies we looked for an alternative approach that might better account for transfers of salmon destined for products.

For the alternative approach we added the unadjusted GLWs by species from the canned pack and products (parts 1 and 2 in Table 36b) and adjusted the totals for transfers using the canned pack adjustment factors (Table F35b). Here we are assuming that transfers had the same effect on the amount of each species used for canning and products. In other words, if 90% of the canned chum resulted from transfers, that same percentage applied to chum used for products. The resulting adjusted total GLWs (part 3 in Table F36b) differed somewhat from the DBS total GLWs (+63% to -27%, average 1%). We scaled each of the adjusted GLWs by species so that the totals were the same as the DBS total GLWs (part 4 in Table 36b).

This approach resulted in lower, more realistic even year pink salmon landings and landings of chum, coho and chinook that were more in line with District I landings from 1945 to 1950, which had been adjusted by DMF for transfers. For these reasons we accepted the second set of GLW data as the best measures of District I landed catch from 1933 to 1944. These data are included in main text Table 37.

6. TRANSFERS OF UNPROCESSED SALMON PRIOR TO 1933

As outlined in Section 1 above, prior to 1933 in Districts I and III and 1930 in District II, DMF published figures on landings by area were based solely on statistics of the quantities of salmon processed within each area. The estimates therefore do not take transfers into account. However, for at least a decade before 1933, the historical record provides evidence that after capture and landing the transfer of fish amongst areas was occurring with increasing frequency.

It is important to note that in order to carry out our transfer analyses prior to 1933 we had to assume that there were no transfers between District II, and Districts I and III combined. In other words when discrepancies arose between our transfer adjusted total GLW and the DMF total GLW (i.e. all species combined) , we scaled our results so our total GLW equalled that of DMF within each of District II and District I/III.

Below we assess the direction and magnitude of biases that are introduced by using unadjusted figures for the pre-1930/1933 period as estimates of actual harvests in each area, and make corrections for transfers where the data warrant. In each case we only adjusted the annual harvest in mt and numbers of fish in the main text summary tables (bold and italicised data in Tables 44 to 53) so as to ensure that the data in the intermediate canned pack, product and hundredweight tables remained consistent with the DMF/DBS published record (see main text Section 2.1.4).

6.1. Transfers Adjustments Prior to 1920, All Districts

In the early years of the fishery it is likely that most of the fish used for processing at individual establishments had been caught in the immediate vicinity since the fishing vessels were small, lacked sufficient power and preservation equipment, and were not very mobile. As indicated by descriptions of industry operations in DMF Annual Reports and other narrative accounts (e.g. Cobb 1921, Lyons 1969, Forrester and Forrester 1975, Stacey 1981), the location of processing establishments was dictated by availability of the resource. Thus it is assumed that in the early years of the fishery (at least until approximately 1915), the product and canned pack data processed in each of our ten areas in general provide an accurate measure of the magnitude of the landings in each area.

There were, however, a few instances in the historical written record where this clearly was not the case. We generated estimates of transfers in these instances in order to correct the unadjusted DMF/DBS landings data for transfers.

6.1.1. Queen Charlotte Islands transfer adjustments for 1915-1916

Evidence of transfers from the Queen Charlotte Islands is based on narratives in DMF Annual Reports describing chinook[13] being taken by packers from the Queen Charlotte Islands for processing elsewhere. In the 1915 Annual Report, Fishery Overseer Harrison, reporting on the 1915 troll season off the north coast of the Queen Charlottes, described how

> *... hundreds of fishermen ... decided to try their fortune in this new industry* [trolling] ... (and) ... *the Wallace Fisheries, ... B.C. Fisheries and the Prince Rupert Cold Storage Company sent out launches and steamers to gather the harvest.*

Since the DMF report states later that Queen Charlotte Island canneries were closed in 1915 (no canned production shown in main text Table 7), all of the 1915 troll production must have been shipped out. We have assumed that the destination was Prince Rupert since this was where Prince Rupert Cold Storage and Wallace Fisheries were located. The fact that no products other than dry salted-salmon were recorded by DMF for the Queen Charlottes in 1915 (see Table 17 of the main report) is taken as further evidence that chinook and coho were processed outside of the Queen Charlottes. We have assumed that salmon destined for dry salting were processed locally.

In 1916, processing of products other than canned salmon in the Queen Charlotte Islands again was limited to dry salted salmon. As there was no mention in the DMF report that trolling was discontinued, we have assumed that 1916 troll catches were also shipped to Prince Rupert. From 1917 to 1919, products other than dry-salted salmon are recorded for the Queen Charlottes, so it has been assumed that all salmon were processed locally in these years. It also has been assumed that salmon destined for canning were not shipped out since there should have been more than sufficient supply on the Skeena to satisfy the requirements of canners.

We averaged chinook and coho GLW from products for 1913, 1914, 1917 and 1918 (main text Table 17) in order to estimate the amount of transfers from the Queen Charlotte Island in 1915 and 1916. These were 74 tonnes of coho and 238 tonnes of chinook. These amounts were added to the Queen Charlotte Island records for 1915 and 1916 in summary Table 44 and subtracted from the Skeena River records for 1915 and 1916 in summary Table 46. This tonnage represented all of 1915 coho and chinook landings in the Queen Charlottes and 82 percent and 68 percent, respectively, of 1916 coho and chinook landings in the Queen Charlottes.

6.1.2. Nass River transfer adjustments for 1915-1919

On the Nass River salmon products other than dry-salted salmon were recorded only twice in the DMF records from 1915 to 1919 (fresh/frozen in 1915 and in 1919), but were reported each year between 1911 and 1914. It is possible that few of the non-canned products were processed in those years. More likely, and consistent with comments by Inspectors in the DMF Annual Reports, Nass salmon and steelhead that were not canned were shipped out for these years, as troll caught salmon were reported to have been from the Queen Charlotte Islands in 1915 and 1916. We have assumed that this was the case and that Nass transfers for 1915 to 1919 were to Prince Rupert (Skeena River area) and were equal to the average production in the Nass River area from non-canned products other than dry salted salmon between 1911 and 1914 (from main text Table 18). Estimated transfers in tonnes were, <0.5 sockeye, 6 pink, 32 chum, 68 coho, 170 chinook, and 16 steelhead. These amounts were added to the Nass River records for 1915 to 1919 in summary Table 45 and subtracted from the Skeena River records for 1915 to 1919 in summary Table 46. They are shown below as percentages of 1915-1919 average estimated landings on the Nass (i.e. production adjusted for transfers out).

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[13] Trollers harvested coho as well, although there was confusion about this in the minds of the fishermen, who referred to fish weighing from "ten to twenty pounds each" as a variety of chinook called "'Blue-backs'"; Overseer Harrison, on the other hand, felt that these were ... *a distinct species of the salmon family*" (DMF Annual Report for 1915).

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
% Transferred out	<0.1	0.3	3.5	9.4	51.2	29.0

The analysis indicates a relatively high proportion of transfers of chinook and steelhead (51% and 29%) caught on the Nass, to the Skeena.

6.1.3. North Coast transfer adjustments for 1888–1900

For the North Coast area, between 1888 and 1900 DMF reported that all GLW for products other than canned salmon were taken for processing on the Skeena River. This would appear not to have been the case immediately before or after this period because the annual reports recorded products for the North Coast area for these years (main text Table 20). To provide an estimate of how much salmon was likely transferred between 1888 and 1900, we calculated the amount of GLW from the North Coast that went into non-canned production during the two preceding and two succeeding years around the 1888-1900 period; i.e., the average by species for 1886,1887,1901 and 1902. These are 6.7 mt of sockeye, 12.0 mt of coho and 14 mt of chinook (pink and chum excluded because these species were not harvested commercially between 1888 and 1900 on the North Coast). We then adjusted the annual GLW data for 1888 through 1900 by these amounts, for the North Coast in summary Table 47, and for the Skeena River in summary Table 46.[14] These adjustments increased North Coast landings of sockeye, coho and chinook by approximately 2, 12 and 58 percent, respectively, over unadjusted data.

6.1.4. Skeena River transfer adjustments for 1888-1900 and 1915-1919

As discussed above, prior to 1920 DMF reports suggested that transfers from areas such as the Queen Charlotte Islands, Nass River and North Coast were destined for Prince Rupert. On this basis we assume that the estimates of Queen Charlotte Islands, Nass River and North Coast transfers derived above went to the Skeena River area. As noted, these amounts have been subtracted from the Skeena River records in summary Table 46.

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[14] Since these are transfers out of the North Coast area they are added to the unadjusted GLWs to obtain the estimated GLW caught in the North Coast area.

They are shown below as percentages of 1888-1900 and 1915-1919 average estimated production in tonnes on the Skeena (landings plus transfers in, i.e. unadjusted data).

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
% Transferred in 1888-1900	(0.3)	-	-	(4.6)	(2.1)	-
% Transferred in 1915-1919	(<0.1)	(0.1)	(3.5)	(3.5)	(16.4)	(9.1)

These results suggest that for the Skeena prior to 1920, landings based on unadjusted product and canned pack data did not seriously bias landings data.

6.1.5. Juan de Fuca Strait transfer adjustments for 1904-1905

The Sooke traps began operating in Juan de Fuca Strait in 1904 (Argue 1970), and in their first two years of operation, many salmon were barged to canneries on the Fraser. As stated in the 1905 DMF Annual Report by Edward G. Taylor, Inspector of Fisheries for District III,

> [trap-caught salmon appear]... *in the statistical returns of Inspector Sword* [i.e. District I], *and so will not appear in my returns.* [Inspector Taylor goes on to say,] *I have no doubt that all the companies operating traps* (at Sooke) ... *will erect canneries at or near Victoria, as taking the salmon from the traps to the Fraser river canneries is expensive, they are apt also to deteriorate in quality if taken a long distance.*

We were somewhat arbitrary in our adjustment for these transfers. First we assumed that only trap caught salmon destined for canning were transferred to District I (the Fraser River area). This seems reasonable given the Inspector's comments and the fact that considerable volumes of products were put up by Victoria entrepreneurs in virtually every year since 1877.

In 1904, the first year the traps operated, no canned production was attributed to the Juan de Fuca Strait area. The next year, a dominant year for Fraser sockeye, one or more canneries produced a total pack of 30,500 cases. We assumed that half this amount was transferred to District I in 1905 and one quarter this amount was transferred in 1904. It was converted to tonnes and allocated to species based on the species composition of the pack for 1905, and in 1908 as a proxy for 1904 (see main text Table 14) since both were off years for Fraser River sockeye. Estimated transfers to District I were: 1904, 143 mt sockeye, 113 mt coho and 34 mt chinook; 1905, 504 mt sockeye and 77 mt coho. As a percentage of the adjusted total landings in the Juan de Fuca area for 1904/1905, these transfers represented 39% of the sockeye, 51% of the coho, but only 13% of the chinook. Appropriate adjustments have been made to Juan de Fuca Strait and District I landings in summary Tables 51 and 53, respectively.

6.2. Transfer Adjustments, District I, 1920-1932

District I transfer data were not found in the archive files. Therefore net transfers for 1933 to 1944, from adjusted and unadjusted canned packs (Section 5 of this Appendix) were used to calculate adjustment factors for District I (Table F35b). Pre-1933 transfers for District I were based on average adjustment factors for 1934 to 1936. These were:

Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
0.885	even 0.005 odd 0.479	0.249	0.230	0.880	0.788	0.613

Clearly there were large net transfers to District I. Correspondence in the historical files indicates that these salmon were mainly from District III. It is interesting to note, however, that transfers had the least impact on chinook and steelhead landings. This is in contrast to the majority of areas where landings of these species were most affected by transfers.

To adjust for transfers prior to 1933 we scaled the above average adjustment factors in equal annual increments back to 1.000 by 1920. This resulted in even year pink catches in the early 1920s in excess of 500 mt in District I. We considered these unlikely so we arbitrarily scaled the even year pink adjustment factor back to only 0.1000 by 1920. In effect this reallocates even year pinks from District I to District III areas.

6.3. Transfers Adjustments, District II, 1920-1929

For northern British Columbia, contrasting tables of canned packs by area of catch and by area of processing in the 1958 Statistical Basebook (Tables 15 and 16 in Anonymous 1958) provided the data from which we estimated transfers beginning in 1920 for Rivers and Smith Inlets, and in 1925 for Nass and Skeena Rivers. We made the following assumptions in order to estimate transfers for all District II areas:

1) All Nass River transfers were shipped to the Skeena River, and all transfers to the Nass River were from the Skeena River,

2) All Rivers and Smith Inlets transfers were shipped to the North Coast, and all transfers to Rivers and Smith Inlets were from the North Coast, and

3) Salmon destined for canning were transferred neither to nor from the Queen Charlotte Islands.

Based on these assumptions, net transfers for the Skeena, plus net transfers for the Nass, plus net transfers for Rivers/Smith, equal net transfers for the North Coast. Tables F37 to F40 present canned pack transfers (in cwt) for the Nass, Skeena, North Coast and Rivers/Smith areas.

Assumptions regarding products other than canned salmon were as follows:

1) The average of 1911 to 1914 productions from Nass River products (excluding dry salted salmon) were transferred to the Skeena each year,

2) The average of 1917 to 1920 production (except steelhead) from Queen Charlotte Islands products (excluding dry salted salmon) was transferred to the Skeena each year. For steelhead we assumed a token amount, 2 mt, was

transferred out since there is little evidence of steelhead in the post 1929 landings, and

3) There were no transfers of Rivers/Smith and North Coast salmon and steelhead that were destined for products.

We combined transfer amounts from canned packs and other products to provide estimates of transfer adjustment factors for District II areas from 1920 to 1929 for Rivers and Smith Inlets, and for 1925 to 1929 for remaining areas (Tables F41 to F45). The following are average adjustment factors calculated from these tables for 1925-1927, the earliest three years in which the canned pack data were available in Anonymous (1958) for these areas. When the factors below are less than one, salmon have been transferred into the area; conversely, salmon were transferred out of the area if factors exceed one.

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
Queen Charlottes	1.053	1.300	1.009	1.953	13.611	100%	1.062
Naas River	1.025	0.973	1.127	1.384	2.192	2.820	1.152
Skeena River	0.986	0.926	0.513	0.875	0.792	0.786	0.835
North Coast	0.572	1.124	1.159	0.984	1.018	0.965	1.063
Rivers/Smith	1.181	0.835	1.211	1.164	1.235	1.524	1.155

Adjustment factors tended to be least for sockeye and pink (0.6 to 1.3), intermediate for chum and coho (0.5 to 2.0), and most extreme for chinook and steelhead (0.8 to 100%, i.e. all fish transferred out). On the basis of the above analyses, most salmon and steelhead landings based on unadjusted product and canned pack statistics would be overestimated for the Skeena River area (Tables F43) due to net transfers in, and would be underestimated for Queen Charlotte Islands, Nass River, North Coast and Rivers and Smith Inlet areas (Tables F41, F42, F44 and F45) due to net transfers out.

Adjustment factors in Tables F41 to F45 were used to correct 1925 to 1929 landings for transfers in each District II area. In the case of the Queen Charlotte Islands, this was equivalent to simply adding back the estimated net transfers in the top part of Table F41. In the few cases when all the fish were estimated to have been transferred in/out (denoted by 100% in Tables F41-F45), the estimated transfers were subtracted/added.

For the years prior to 1925, the above average adjustment factors were used to adjust landings in 1924 for transfers. Then for 1923 back to 1920 each species/area average was returned in equal annual increments to either 1.0000 for the North Coast area, or to the average adjustment factor for 1915 to 1919 for the Nass and Skeena Rivers areas (see Sections 6.1.2 and 6.1.4 above). For Rivers and Smith Inlets areas we used the adjustment factors for 1920 to 1924 in Table F45. For the Queen Charlotte Islands when there were zero landings based on the unadjusted GLW, we added back the net transfer amounts from Table F41. In effect we have assumed that moving back in time to 1920 the uncorrected GLW for each species in each area was progressively less affected by transfers.

For species/years between 1925 and 1929 the above adjustments did not change the annual total landings by species for District II as a whole. In effect the adjustment factors simply reallocated each species GLW to the presumed area in which the fish were actually caught and landed, and these reallocations balanced out. In the earlier years because we were using average adjustment factors, there were minor changes (! 1-2%) to the total District II landings. To account for these differences so that the total District II landings by species remained the same as the published GLW values, we scaled the landings for each species in each area by the proportion that the adjusted total District II landings differed from the unadjusted total District II landings. In effect we are not allowing for transfers between District II and Districts I/III to the south (see below).

6.4. Evidence that DMF Accounted for District II Transfers Between 1930 and 1932

The Prince Rupert tables referred to in Section 3.2 above contained 1930 to 1950 landed weights, by species and DBS area, adjusted for transfers. However for 1930 to 1932, the three years before adjusted landed weights first appeared in the DBS Annual Reports, there were no transfer worksheets in the archive files, so there was no direct evidence that 1930-1932 landing records from Prince Rupert tables took transfers into account.

To examine whether the 1930-1932 Prince Rupert data in fact were adjusted for transfers, we compared GLWs from the DBS reports and from the DMF Prince Rupert tables (Table F46). Total GLWs for District II were within a few percent each year, and area totals differed in the direction one would expect if transfers were primarily to the Skeena River area from other areas. Thus we concluded that, sometime after 1932, the 1930-1932 DMF data had been adjusted for transfers. Note that the 1933 GLWs from the two sources are virtually identical, as would be expected since the data in both sources were adjusted for transfers starting in 1933.

The adjusted 1930-1932 data are used in main text tables of landings for District II areas. Because it was not possible to adjust 1930-1932 landings in Districts I and III for transfers, catches for the province as a whole will be biased by the amount of net transfers for District II (Table F46), as shown below.

	1930	1931	1932
Net Transfers for District II in cwt (out)	(81)	(27,740)	33,093
% Over (under) Estimate of B.C. Landings	<0.1%	2.1%	(2.6%)

These represent relatively small net shipments of salmon and steelhead out of District II in 1930 and 1931, and into District II in 1932. The destination/origin of these transfers cannot be attributed with certainty to any particular areas. However in 1933, transfers out of District II all went to District I, and transfers into District II came from the Johnstone Strait area in District III. If the same patterns existed in 1930, 1931 and 1932, we would expect our estimates for these areas to have been most biased as a result of District II transfers.

Based on 1933 transfers and average 1930-1932 landings, the degree of bias in each area, by species, is estimated as:

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
Johnstone Strait	negligible	(13%)	(13%)	(1%)	negligible	-
Fraser River	8%	18%	5%	6%	19%	negligible

Since we had no firm evidence that these were the areas involved in transfers to and from District II we made no adjustments for these transfers.

6.5. Transfer Adjustments, District III, 1920-1932

For District III, there was no useful information on pre-1933 transfers in the archive files, nor did product or canned pack data provide any clues about transfers. Therefore we decided to represent the extent of pre-1933 transfers by results from the 1934-1939 transfer analysis for District III (Section 4 above).

Tables F47 to F50 present adjustment factors for 1934 to 1939 for Johnstone Strait, Strait of Georgia, Juan de Fuca Strait and WCVI areas. We started with 1934 because of incomplete 1933 transfer data (see Section 4.2 above). Average adjustment factors from these tables for 1934 to 1936 (1935 and 1937 for odd year pinks), the three years closest to the pre-1933 period were:

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
Johnstone Str.	1.390	even 1.661 odd 1.848	2.586	1.830	1.481	1.286	1.882
Strait of Georgia	1.488	even 1.083 odd 4.203	1.363	1.730	1.178	-	1.412
Juan de Fuca Str.	1.000	even 1.000 odd 1.191	0.594	0.568	0.647	1.000	0.689
W. Coast Van. Is.	0.809	even 0.991 odd 4.700	1.334	0.975	1.070	67.007	1.198

Based on these results there were net transfers of salmon to Juan de Fuca Strait (adjustment factors <1.0), and net transfers of salmon from Johnstone Strait, Georgia Strait and the WCVI (factors >1.0). Johnstone Strait landings would appear to be the most seriously underestimated by using unadjusted product and canned pack statistics, whereas WCVI landings would appear to be underestimated the least. Information in District III files indicated that Juan de Fuca Strait processors received transfers mainly from the WCVI, whereas Johnstone Strait and Strait of Georgia fish were sent mainly to processors in District I. There also were examples of shipments of fish between Johnstone Strait and the Strait of Georgia, and between Johnstone Strait and Rivers and Smith Inlets. WCVI processors received some sockeye, pink and coho from Johnstone Strait and there were shipments of West Coast salmon (e.g. all Nitinat landings) to District I and Juan de Fuca Strait (Victoria). There were considerable amounts of fish transferred amongst individual DBS areas on the WCVI and also within the Strait of Georgia.

We consider the 1934-1939 average adjustment factors to indicate the maximum extent that pre-1933 landings in District III were biased by using unadjusted product and canned pack statistics.

The average District III adjustment factors for 1934 to 1936 (1937 included for pink salmon) were used to correct 1932 landings from canned pack and products for transfers (and 1931 landings for pink salmon). For 1931/1930 back to 1921/20 each species/area average adjustment factor for the canned pack/product GLW data was returned to 1.0000 in equal increments per year, as we did for Districts I and II. The adjustment factors in effect reallocated each species GLW to the presumed area in which the fish were actually caught and landed. Because we were using average adjustment factors, the above reallocations caused small changes (! 2-10%) to the total Districts III/I landings. To account for these differences so that the total Districts III/I landings by species remained the same as the published GLW values, we scaled the landings for each species in each area by the proportion that the adjusted total Districts III/I landings differed from the unadjusted total Districts III/I landings. In effect we are not allowing for transfers between Districts III/I combined and District II to the north.

7. TRANSFERS OF UNPROCESSED SALMON, ALL DISTRICTS, 1945-1950

DMF completed transfer analyses for all areas from 1945 to 1950 and recorded the corrected GLW by species on Schedule 1A forms starting in 1945. Copies of Schedule 1A forms were filed at DFO headquarters in Vancouver, but the corresponding transfer worksheets were not found. Table F51 presents 1945-1950 GLWs from these Schedules, by DBS area and species (flesh colour/size grades in the case of chinook and coho). These data were combined for the major areas of this report and are included in main text Tables 28 through 37.

8. DETAILED EXPLANATION OF HOW 1930-1950 LANDED WEIGHTS WERE COMPILED FOR MAIN TEXT TABLES

8.1. District I

District I landings for 1930 to 1932 in DMF Annual Reports were not adjusted for transfers (Table 37). We calculated the unadjusted GLW from canned pack (Table 16) and other product (Table 26) data in the same manner as for the other Districts. These GLWs are included in Table 37 as are GLWs for 1932 to 1950. The column "DBS/Total" is the ratio of the published GLW to the "Total" GLW from sources explained in the footnote to Table 37. "DBS GLW" and "Total" GLW sometimes differed slightly due to rounding errors. Summary Table 53 contains the landed weight in tonnes for 1930 to 1950 from Table 37. Our bias correction procedures to account for transfers (Section 6.2 above) were applied to the 1930 to 1932 GLW and numbers data in Table 53.

8.2. District II

District II GLWs for 1930 to 1950 are listed in Tables 28 to 32. For 1930 to 1944, these are the "Prince Rupert" data that combined cwt for canned packs and other products (data under the heading "Green Landed Weight"), and for 1945 to 1950 these are the cwt data from Schedule IA forms. GLWs are converted to tonnes on the right side of the tables. In the first data column on the left is the total GLW from the DBS reports. The column "DBS/Total" is the ratio of the published GLW to the GLW from Prince Rupert tables. As can be seen from the ratios, there were only 18 of 150 cases where total GLWs from the two data sets for northern BC areas differed by more than five percent. Most differences occurred in 1930, 1931, 1932 and arose because, in these years, the Prince Rupert data took into account transfers between areas, whereas the DBS data did not. However, when the GLWs for these years are summed across areas in District II, differences in GLW between data sets are much less than they are for individual areas, indicating that transfers between District II and District I/III were relatively small compared to transfers amongst areas within District II. The Prince Rupert GLWs in tonnes for each area from Tables 28 to 32 are reproduced in summary Tables 44 to 48; we use these GLWs because they include post publication adjustments which we believe makes them more accurate than the published DBS GLW values.

Since District II landings in this report were adjusted by DMF for transfers for 1930-1932, whereas this was not the case for landings reported by DMF for the other Districts, landings for these years for areas outside District II (most likely Johnstone Strait and District I) are biased by the net transfers of salmon and steelhead from District II. By 1932 over a quarter of salmon processed in the Skeena area (principally Prince Rupert) came from elsewhere in the north, with up to 15% of the salmon from the Queen Charlotte Islands, the Nass River and northern areas to the south of the Skeena River being transferred out of these areas. Most of these transfers were destined for the Skeena River area. However, as noted, we still were concerned that we might be overlooking transfers to southern areas in District III and to District I.

Fortunately, we could use the Prince Rupert data from the DFO historical records to examine this possibility. For 1930-1932 the difference between the total adjusted GLW for northern areas combined and the unadjusted DMF GLW measures the extent of transfers between District II and the Districts to the south. In Section 6.4 above we calculated that for these years transfers into and out of District II represented approximately ± 2.5% of adjusted District II landings. Because we did not have comparable transfer-adjusted GLWs for southern areas we could not make adjustments to individual southern areas for these cross-District fish transfers. However, based on detailed analysis of DMF's 1933 transfer data, we determined that landings in the Johnstone Strait and Fraser River areas were most likely the destinations for transfers out of District II. If 1933 transfers by species were representative of transfers in earlier years then these areas' landings could be biased, depending on the species, by minus 1% to 13% for Johnstone Strait and by plus 5% to 19% for Fraser River. (see Section 6.4 above). Lacking firm information on such transfers, these biases were ignored in making the final tabulations.

8.3. District III

District III landed weights for 1930 to 1950 for the canned pack and products combined are presented in cwt and tonnes, by species and area, in Tables 33 to 36. The 1930 to 1932 data in these tables have not been adjusted for transfers. The DBS/Total ratios were, with a few exceptions, equal to 1.0000 for 1930 to 1944. This was because the DMF data that we used were for the most part the same GLW, canned pack and product data that DBS GLWs were based on. The exceptions were probably due to post publication adjustments of products, canned packs or GLW data by DMF. For this reason we transferred the GLWs that we calculated (Tables 33-36) from the raw DMF data to summary Tables 49 to 52. Our bias correction procedures to account for transfers (see Section 6.5 above) were applied to the 1930 to 1932 GLW and numbers data only in Tables 49 to 52 (adjusted data are shown in bold and italicized font).

Table F1. DBS salmon statistics for 1933.

I. Fish Caught and Marketed, 1933—con.

I. Fish Caught and Marketed, 1933—con.

	Fishing Districts	Pilchards						Perch		Salmon											
		Caught and landed	Marketed					Caught and landed	Marketed	Caught and landed	Marketed										
			Used fresh	Canned	Used as bait	Meal	Oil		Used fresh		Used fresh	Canned	Smoked	Dry-salted	Mild-cured	Pickled	Roe	Used as bait	Meal	Oil	
		cwt.	cwt.	cases	bbl.	ton	gal.	cwt.	cwt.	cwt.	cwt.	cases	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	ton	gal.	
	British Columbia—con.																				
	Totals for Province—																				
1	**Quantity**	66,353	14	2,946	20	1,108	275,879	528	528	1,410,504	214,138	1,265,072	439	82,875	18,262	279	5,315	199	719	65,830	1
2	**Value** $	35,017	70	8,838	20	33,531	34,686	3,025	3,428	4,463,921	1,286,771	7,428,123	5,009	149,590	256,226	2,521	13,544	341	22,190	8,625	2
	District No. 1 *(a)*—																				
3	Total quantity	14	14	-	-	-	-	311	311	288,899	90,565	323,584	439	22,171	6,610	159	1,388	-	-	-	3
4	Total value $	70	70	-	-	-	-	2,128	2,488	1,100,593	480,686	1,796,730	5,009	42,530	93,616	1,115	6,109	-	-	-	4
	District No. 2—																				
5	Massett Inlet and northern Graham Island, Queen Charlotte Islands	-	-	-	-	-	-	-	-	29,287	-	-	-	-	-	-	-	-	-	-	5
6	Southern Queen Charlotte Islands, including Skidegate Inlet	-	-	-	-	-	-	-	-	43,597	-	-	-	15,244	-	-	732	-	-	-	6
7	The Nass River	-	-	-	-	-	-	-	-	95,183	-	60,424	-	-	-	-	-	-	-	-	7
8	Skeena River, including Prince Rupert and the Upper Skeena	-	-	-	-	-	-	-	-	139,368	38,798	185,463	-	-	3,234	110	-	-	263	28,330	8
9	Grenville—Principe area	-	-	-	-	-	-	-	-	28,497	-	28,539	-	-	-	-	-	-	-	-	9
10	Butedale including Gardiner Canal	-	-	-	-	-	-	-	-	51,549	8,753	50,164	-	-	6,585	-	-	196	-	-	10
11	Bella Bella and Fitzhugh Sound	-	-	-	-	-	-	-	-	96,203	-	127,946	-	904	-	-	1,199	-	-	-	11
12	Bella Coola, Dean and Burke Channels	-	-	-	-	-	-	-	-	65,166	-	66,297	-	-	-	-	-	-	-	-	12
13	Rivers Inlet	-	-	-	-	-	-	-	-	88,497	-	86,649	-	-	-	-	-	-	-	-	13
14	Smiths Inlet	-	-	-	-	-	-	-	-	37,775	-	71,414	-	-	-	-	-	-	-	-	14
15	Total quantity	-	-	-	-	-	-	-	-	673,211	47,551	677,346	-	16,148	9,819	110	1,931	196	263	28,330	15
16	Total value $	-	-	-	-	-	-	-	-	3,011,588	412,091	4,352,429	-	28,799	145,201	1,306	4,329	338	9,540	4,500	16
	District No. 3—																				
17	Cape Scott to Tuna Point, including all waters between Vancouver Island and the mainland	-	-	-	-	-	-	-	-	130,778	14,448	118,793	-	5,731	-	10	287	3	-	-	17
18	Tuna Point to Shelter Point, including mainland waters opposite	-	-	-	-	-	-	-	-	48,625	6,673	23,739	-	2,788	-	-	161	-	-	-	18
19	Shelter Point to French Creek	-	-	-	-	-	-	-	-	30,081	297	22,550	-	-	-	-	162	-	-	-	19
20	Mainland waters from George Point to Gower Point	-	-	-	-	-	-	76	76	19,810	4,566	-	-	2,656	-	-	100	-	-	-	20
21	French Creek to Shoal Harbour including Nanaimo	-	-	-	-	-	-	7	7	33,229	1,029	-	-	6,040	-	-	-	-	436	37,500	21
22	Shoal Harbour to Sambrio Point, including Victoria	-	-	-	-	-	-	58	58	41,391	14,887	28,294	-	-	1,833	-	-	-	-	-	22
23	Sambrio Point to Pachena Point, including Nitinat Arm	-	-	-	-	-	-	-	-	42,310	-	-	-	-	-	-	-	-	-	-	23
24	Barclay Sound and Port Alberni	57,339	-	1,770	-	531	120,291	60	60	52,505	20,463	40,046	-	19,914	-	-	874	-	20	-	24
25	Wreck Bay to Estevan Point, including Clayoquot Sound	9,000	-	-	-	77	18,851	16	16	15,982	5,083	7,189	-	-	-	-	-	-	-	-	25
26	Estevan Point to Tatchu Point, including Nootka Sound	-	-	1,176	20	500	136,737	-	-	31,462	353	23,551	-	3,919	-	-	265	-	-	-	26
27	Tatchu Point to Cape Cook, including Kyuquot Sound	-	-	-	-	-	-	-	-	10,191	5,806	-	-	3,508	-	-	147	-	-	-	27
28	Cape Cook to Cape Scott, including Quatsino Sound	-	-	-	-	-	-	-	-	6,420	2,417	-	-	-	-	-	-	-	-	-	28
29	Total quantity	66,339	-	2,946	20	1,108	275,879	217	217	448,394	76,022	264,142	-	44,556	1,833	10	1,996	3	456	37,500	29
30	Total value $	34,947	-	8,838	20	33,531	34,686	897	940	1,351,742	394,094	1,278,964	-	78,261	17,409	100	3,106	3	12,650	4,125	30

(a) Comprises Fraser River and Howe Sound.

Table F2. Canned pack and product amounts, by area, company and species from Supplemental Schedules completed by companies in 1933.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	1	SOC	16,465	-	-	-	-	-	-	-	-
3	28,29	1	RDS	81	-	-	946	-	-	-	-	-
3	28,29	1	PNS	397	-	-	-	-	-	-	-	-
3	28,29	1	WHS	1,043	-	-	2,666	-	-	-	-	-
3	28,29	1	BLB	3,876	-	-	3	-	-	-	-	-
3	28,29	1	STL	-	-	-	99	-	-	-	-	-
3	28,29	1	COH	5,143	-	-	399	-	-	-	-	-
3	28,29	1	PNK	31,558	2,400	-	3,697	-	-	-	-	-
3	28,29	1	CHM	9,422	1,800	-	182	-	-	-	-	-
3	28,29	2	SOC	10,268	-	-	-	-	-	-	-	-
3	28,29	2	WHS	2,098	-	-	-	-	-	-	-	-
3	28,29	2	BLB	140	-	-	-	-	-	-	-	-
3	28,29	2	COH	4,178	-	-	-	-	-	-	-	-
3	28,29	2	PNK	37,612	-	-	-	-	-	-	-	-
3	28,29	2	CHM	17,001	-	-	-	-	-	-	-	-
3	28,29	3	SPR	-	-	-	-	59	57	-	-	-
3	28,29	3	WHS	-	-	-	7,800	-	-	-	-	-
3	28,29	4	SOC	4,019	-	-	-	-	-	-	-	-
3	28,29	4	RDS	346	-	-	-	-	-	-	-	-
3	28,29	4	WHS	197	-	-	-	-	-	-	-	-
3	28,29	4	BLB	3,508	-	-	-	-	-	-	-	-
3	28,29	4	COH	4,709	-	-	-	-	-	-	-	-
3	28,29	4	PNK	11,663	-	-	-	-	-	-	-	-
3	28,29	4	CHM	8,505	-	-	-	-	-	-	-	-
3	28,29	5	SOC	3,985	-	-	-	-	-	-	-	-
3	28,29	5	RDS	128	-	-	-	-	-	-	-	-
3	28,29	5	WHS	379	-	-	-	-	-	-	-	-
3	28,29	5	COH	1,306	-	-	-	-	-	-	-	-
3	28,29	5	PNK	4,771	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	5	CHM	1,039	-	-	-	-	-	-	-	-
3	28,29	6	SOC	5,870	-	-	-	-	-	-	-	-
3	28,29	6	RDS	208	-	-	-	-	-	-	-	-
3	28,29	6	PNS	28	-	-	-	-	-	-	-	-
3	28,29	6	WHS	212	-	-	-	-	-	-	-	-
3	28,29	6	BLB	12	-	-	-	-	-	-	-	-
3	28,29	6	COH	967	-	-	-	-	-	-	-	-
3	28,29	6	PNK	9,715	-	-	-	-	-	-	-	-
3	28,29	6	CHM	1,368	-	-	-	-	-	-	-	-
3	28,29	7	SOC	201	-	-	-	-	-	-	-	-
3	28,29	7	RDS	3	-	-	-	-	-	-	-	-
3	28,29	7	PNS	1	-	-	-	-	-	-	-	-
3	28,29	7	WHS	31	-	-	-	-	-	-	-	-
3	28,29	7	BLB	143	-	-	-	-	-	-	-	-
3	28,29	7	COH	1,415	-	-	136	-	-	-	-	-
3	28,29	7	PNK	3,618	-	-	-	-	-	-	-	-
3	28,29	7	CHM	2,012	-	-	262	-	-	-	-	-
3	28,29	7	UNK	-	-	-	-	-	-	-	-	38
3	28,29	8	SOC	6,246	-	-	-	-	-	-	-	-
3	28,29	8	RDS	4,775	-	-	2	-	-	-	-	-
3	28,29	8	WHS	237	-	-	1,001	-	-	-	-	-
3	28,29	8	STL	-	-	-	32	-	-	-	-	-
3	28,29	8	COH	3,278	-	-	255	-	-	-	-	-
3	28,29	8	PNK	13,992	978	-	-	-	-	-	-	-
3	28,29	8	CHM	15,165	2,097	-	1,630	-	-	-	-	-
3	28,29	8	UNK	-	-	-	-	-	-	-	-	420
3	28,29	9	SOC	4,191	-	-	-	-	-	-	-	-
3	28,29	9	RDS	86	-	-	275	-	-	-	-	-
3	28,29	9	JKS	-	-	-	32	-	-	-	-	-
3	28,29	9	WHS	33	-	-	624	-	-	-	-	-
3	28,29	9	BLB	1,257	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	9	STL	-	-	-	26	-	-	-	-	-
3	28,29	9	COH	1,213	-	-	156	-	-	-	-	-
3	28,29	9	PNK	10,294	-	-	34	-	-	-	-	-
3	28,29	9	CHM	6,218	-	-	7	-	-	-	-	-
3	28,29	10	SOC	885	-	-	-	-	-	-	-	-
3	28,29	10	RDS	74	-	-	-	-	-	-	-	-
3	28,29	10	WHS	93	-	-	-	-	-	-	-	-
3	28,29	10	COH	77	-	-	-	-	-	-	-	-
3	28,29	10	PNK	3,938	-	-	-	-	-	-	-	-
3	28,29	10	CHM	5	-	-	-	-	-	-	-	-
3	28,29	11	SOC	1,351	-	-	-	-	-	-	-	-
3	28,29	11	SPR	231	-	-	-	-	-	-	-	-
3	28,29	11	BLB	4,363	-	-	-	-	-	-	-	-
3	28,29	11	COH	3,429	-	-	-	-	-	-	-	-
3	28,29	11	PNK	15,897	309	-	-	-	-	-	-	-
3	28,29	11	CHM	16,595	795	-	-	-	-	-	-	-
3	28,29	13	UNK	-	-	-	-	-	-	-	14[d]	330
3	28,29	14	RDS	-	-	-	10	-	-	-	-	-
3	28,29	14	PNS	-	-	-	3	-	-	-	-	-
3	28,29	14	WHS	-	-	-	9	-	-	-	-	-
3	28,29	14	BLB	-	-	-	25	-	-	-	-	-
3	28,29	14	COH	-	-	-	19	-	-	-	-	-
3	28,29	15	RDS	-	-	-	401	-	-	-	-	-
3	28,29	15	WHS	-	-	-	94	-	-	-	-	-
3	28,29	15	BLB	-	-	-	20	-	-	-	-	-
3	28,29	15	STL	-	-	-	22	-	-	-	-	-
3	28,29	15	COH	-	-	-	295	-	-	-	-	-
3	28,29	15	PNK	-	-	-	1	-	-	-	-	-
3	28,29	16	SOC	-	-	-	7	-	-	-	-	-
3	28,29	16	RDS	-	-	159	3,275	69	-	-	-	-
3	28,29	16	WHS	-	-	-	4,358	44	-	6,492	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	16	STL	-	-	-	166	-	-	-	-	-
3	28,29	16	COH	-	-	-	6,435	-	-	-	-	-
3	28,29	16	PNK	-	-	-	804	-	-	118	-	-
3	28,29	16	CHM	-	-	-	5,063	-	-	-	-	-
3	28,29	17	RDS	-	-	-	616	-	-	-	-	-
3	28,29	17	WHS	-	-	-	339	-	-	-	-	-
3	28,29	17	BLB	-	-	-	155	-	-	-	-	-
3	28,29	17	STL	-	-	-	147	-	-	-	-	-
3	28,29	17	COH	-	-	-	230	-	-	-	-	-
3	28,29	17	PNK	-	-	-	30	-	-	-	-	-
3	28,29	17	CHM	-	-	-	73	-	-	-	-	-
3	28,29	18	RDS	-	-	-	892	-	-	-	-	-
3	28,29	18	WHS	-	-	-	259	-	210	-	-	-
3	28,29	18	BLB	-	-	-	210	-	-	-	-	-
3	28,29	18	STL	-	-	-	90	-	-	-	-	-
3	28,29	18	COH	-	-	-	450	-	-	-	-	-
3	28,29	19	WHS	-	20	-	-	-	-	-	-	-
3	28,29	19	PNK	-	16	-	-	-	-	-	-	-
3	28,29	19	CHM	-	3,084	-	-	-	-	-	-	-
3	28,29	20	PNK	-	2,360	-	-	-	-	-	-	-
3	28,29	20	CHM	-	2,343	-	-	-	-	-	-	-
3	28,29	20	UNK	-	-	-	-	-	-	-	-	250
3	28,29	21	SOC	-	-	-	185	-	-	-	-	-
3	28,29	21	RDS	-	-	-	215	-	-	-	-	-
3	28,29	21	WHS	-	69	-	4,764	-	-	-	-	-
3	28,29	21	STL	-	-	-	190	-	-	-	-	-
3	28,29	21	COH	-	-	-	2,148	-	-	-	-	-
3	28,29	21	PNK	-	224	-	4,326	-	-	-	-	-
3	28,29	21	CHM	-	3,126	-	1,704	-	-	-	-	-
3	28,29	21	UNK	-	-	-	-	-	-	-	-	350
3	28,29	22	PNK	-	550	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	22	CHM	-	2,000	-	-	-	-	-	-	-
6	2	24	CHM	-	13,244	-	-	-	-	-	-	-
6	2	24	UNK	-	-	-	-	-	-	-	-	732
6	2	25	CHM	-	2,000	-	-	-	-	-	-	-
7	3	27	SOC	4,320	-	-	-	-	-	-	-	-
7	3	27	RDS	283	-	-	-	-	-	-	-	-
7	3	27	PNS	200	-	-	-	-	-	-	-	-
7	3	27	WHS	62	-	-	-	-	-	-	-	-
7	3	27	STL	24	-	-	-	-	-	-	-	-
7	3	27	COH	948	-	-	-	-	-	-	-	-
7	3	27	PNK	13,871	-	-	-	-	-	-	-	-
7	3	27	CHM	327	-	-	-	-	-	-	-	-
7	3	28	SOC	2,874	-	-	-	-	-	-	-	-
7	3	28	RDS	488	-	-	-	-	-	-	-	-
7	3	28	PNS	27	-	-	-	-	-	-	-	-
7	3	28	WHS	46	-	-	-	-	-	-	-	-
7	3	28	STL	10	-	-	-	-	-	-	-	-
7	3	28	COH	667	-	-	-	-	-	-	-	-
7	3	28	PNK	14,278	-	-	-	-	-	-	-	-
7	3	28	CHM	453	-	-	-	-	-	-	-	-
7	3	29	SOC	2,563	-	-	-	-	-	-	-	-
7	3	29	RDS	114	-	-	-	-	-	-	-	-
7	3	29	WHS	76	-	-	-	-	-	-	-	-
7	3	29	STL	15	-	-	-	-	-	-	-	-
7	3	29	COH	1,636	-	-	-	-	-	-	-	-
7	3	29	PNK	16,157	-	-	-	-	-	-	-	-
7	3	29	CHM	995	-	-	-	-	-	-	-	-
8	4	30	SOC	1,919	-	-	-	-	-	-	-	-
8	4	30	RDS	395	-	-	-	-	-	-	-	-
8	4	30	PNS	74	-	-	-	-	-	-	-	-

Table F2. Continued

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
8	4	30	WHS	36	-	-	-	-	-	-	-	-
8	4	30	COH	435	-	-	-	-	-	-	-	-
8	4	30	PNK	5,095	-	-	-	-	-	-	-	-
8	4	30	CHM	187	-	-	-	-	-	-	-	-
8	4	31	SOC	2,473	-	-	-	-	-	-	-	-
8	4	31	RDS	705	-	-	-	-	-	-	-	-
8	4	31	PNS	370	-	-	-	-	-	-	-	-
8	4	31	WHS	63	-	-	-	-	-	-	-	-
8	4	31	COH	1,107	-	-	-	-	-	-	-	-
8	4	31	PNK	7,978	-	-	-	-	-	-	-	-
8	4	31	CHM	390	-	-	-	-	-	-	-	-
8	4	32	SOC	2,616	-	-	-	-	-	-	-	-
8	4	32	COH	1,619	-	-	-	-	-	-	-	-
8	4	32	PNK	10,343	-	-	-	-	-	-	-	-
8	4	32	CHM	472	-	-	-	-	-	-	-	-
8	4	33	SOC	4,753	-	-	-	-	-	-	-	-
8	4	33	COH	13,380	-	-	-	-	-	-	-	-
8	4	33	PNK	8,939	-	-	-	-	-	-	-	-
8	4	33	CHM	2,873	-	-	-	-	-	-	-	-
8	4	34	SOC	4,857	-	-	-	-	-	-	-	-
8	4	34	COH	983	-	-	-	-	-	-	-	-
8	4	34	PNK	11,956	-	-	-	-	-	-	-	-
8	4	34	CHM	839	-	-	-	-	-	-	-	-
8	4	35	SOC	1,954	-	-	-	-	-	-	-	-
8	4	35	RDS	362	-	-	-	-	-	-	-	-
8	4	35	WHS	42	-	-	-	-	-	-	-	-
8	4	35	COH	411	-	-	-	-	-	-	-	-
8	4	35	PNK	4,952	-	-	-	-	-	-	-	-
8	4	35	CHM	184	-	-	-	-	-	-	-	-
8	4	36	SOC	2,020	-	-	-	-	-	-	-	-
8	4	36	RDS	593	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
8	4	36	WHS	86	-	-	-	-	-	-	-	-
8	4	36	COH	764	-	-	-	-	-	-	-	-
8	4	36	PNK	6,348	-	-	-	-	-	-	-	-
8	4	36	CHM	242	-	-	-	-	-	-	-	-
8	4	37	SOC	3,900	-	-	-	-	-	-	-	-
8	4	37	RDS	405	-	-	-	-	-	-	-	-
8	4	37	STL	11	-	-	-	-	-	-	-	-
8	4	37	COH	1,573	-	-	-	-	-	-	-	-
8	4	37	PNK	9,745	-	-	-	-	-	-	-	-
8	4	37	CHM	1,397	-	-	-	-	-	-	-	-
8	4	38	SOC	2,021	-	-	-	-	-	-	-	-
8	4	38	RDS	166	-	-	-	-	-	-	-	-
8	4	38	STL	256	-	-	-	-	-	-	-	-
8	4	38	COH	4,988	-	-	-	-	-	-	-	-
8	4	38	PNK	15,074	-	-	-	-	-	-	-	-
8	4	38	CHM	3,089	-	-	-	-	-	-	-	-
8	4	40	SOC	3,993	-	-	-	-	-	-	-	-
8	4	40	COH	14,636	-	-	-	-	-	-	-	-
8	4	40	PNK	15,353	-	-	-	-	-	-	-	-
8	4	40	CHM	6,041	-	-	-	-	-	-	-	-
8	4	42	SOC	-	-	-	4	-	-	-	-	-
8	4	42	RDS	-	-	103	12,973	-	-	-	-	-
8	4	42	WHS	-	-	-	1,786	-	-	304	-	-
8	4	42	STL	-	-	-	1,917	-	-	-	-	-
8	4	42	COH	-	-	7	15,500	-	-	-	-	-
8	4	42	PNK	-	-	-	74	-	-	-	-	-
8	4	42	CHM	-	-	-	3,532	-	-	-	-	-
8	4	43	RDS	-	-	-	43	-	-	-	-	-
8	4	44	RDS	-	-	-	979	-	-	-	-	-
8	4	44	WHS	-	-	-	263	-	-	2,930	-	-
8	4	44	STL	-	-	-	1,160	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
8	4	44	COH	-	-	-	548	-	-	-	-	-
9	5	46	SOC	2,819	-	-	-	-	-	-	-	-
9	5	46	COH	9,004	-	-	-	-	-	-	-	-
9	5	46	PNK	12,440	-	-	-	-	-	-	-	-
9	5	46	CHM	4,576	-	-	-	-	-	-	-	-
10	6	47	SOC	1,313	-	-	-	-	-	-	-	-
10	6	47	RDS	477	-	-	2,154	-	-	-	-	-
10	6	47	WHS	-	-	-	946	-	-	6,585	-	-
10	6	47	STL	-	-	-	3	-	-	-	-	-
10	6	47	COH	6,777	-	-	5,648	-	-	-	-	-
10	6	47	PNK	15,050	-	-	1	-	-	-	-	-
10	6	47	CHM	26,547	-	-	1	-	-	-	-	-
10	6	47	UNK	-	-	-	-	-	-	-	196	-
11	7	48	SOC	10,384	-	-	-	-	-	-	-	-
11	7	48	RDS	159	-	-	-	-	-	-	-	-
11	7	48	PNS	44	-	-	-	-	-	-	-	-
11	7	48	WHS	13	-	-	-	-	-	-	-	-
11	7	48	STL	247	-	-	-	-	-	-	-	-
11	7	48	COH	10,787	-	-	-	-	-	-	-	-
11	7	48	PNK	23,478	-	-	-	-	-	-	-	-
11	7	48	CHM	82,834	-	-	-	-	-	-	-	-
11	7	48	UNK	-	-	-	-	-	-	-	-	1,199
11	7	49	CHM	-	904	-	-	-	-	-	-	-
12	8	50	SOC	4,124	-	-	-	-	-	-	-	-
12	8	50	RDS	42	-	-	-	-	-	-	-	-
12	8	50	WHS	6	-	-	-	-	-	-	-	-
12	8	50	STL	148	-	-	-	-	-	-	-	-
12	8	50	COH	2,706	-	-	-	-	-	-	-	-
12	8	50	PNK	12,949	-	-	-	-	-	-	-	-
12	8	50	CHM	3,590	-	-	-	-	-	-	-	-
12	8	51	SOC	7,466	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
12	8	51	RDS	96	-	-	-	-	-	-	-	-
12	8	51	WHS	4	-	-	-	-	-	-	-	-
12	8	51	STL	432	-	-	-	-	-	-	-	-
12	8	51	COH	2,470	-	-	-	-	-	-	-	-
12	8	51	PNK	26,309	-	-	-	-	-	-	-	-
12	8	51	CHM	6,055	-	-	-	-	-	-	-	-
13	9	52	SOC	9,630	-	-	-	-	-	-	-	-
13	9	52	PNS	65	-	-	-	-	-	-	-	-
13	9	52	WHS	38	-	-	-	-	-	-	-	-
13	9	52	COH	77	-	-	-	-	-	-	-	-
13	9	52	PNK	157	-	-	-	-	-	-	-	-
13	9	52	CHM	29	-	-	-	-	-	-	-	-
13	9	53	SOC	13,865	-	-	-	-	-	-	-	-
13	9	53	PNS	31	-	-	-	-	-	-	-	-
13	9	53	WHS	16	-	-	-	-	-	-	-	-
13	9	53	STL	13	-	-	-	-	-	-	-	-
13	9	53	COH	99	-	-	-	-	-	-	-	-
13	9	53	PNK	110	-	-	-	-	-	-	-	-
13	9	53	CHM	26	-	-	-	-	-	-	-	-
13	9	54	SOC	13,217	-	-	-	-	-	-	-	-
13	9	54	RDS	22	-	-	-	-	-	-	-	-
13	9	54	WHS	14	-	-	-	-	-	-	-	-
13	9	54	STL	32	-	-	-	-	-	-	-	-
13	9	54	COH	169	-	-	-	-	-	-	-	-
13	9	54	PNK	400	-	-	-	-	-	-	-	-
13	9	54	CHM	63	-	-	-	-	-	-	-	-
13	9	55	SOC	12,968	-	-	-	-	-	-	-	-
13	9	55	RDS	16	-	-	-	-	-	-	-	-
13	9	55	WHS	14	-	-	-	-	-	-	-	-
13	9	55	STL	37	-	-	-	-	-	-	-	-
13	9	55	COH	160	-	-	-	-	-	-	-	-

Table F2. Continued.

Area		Company Number	Species[a]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
13	9	55	PNK	580	-	-	-	-	-	-	-	-
13	9	55	CHM	104	-	-	-	-	-	-	-	-
13	9	56	SOC	7,890	-	-	-	-	-	-	-	-
13	9	56	RDS	63	-	-	-	-	-	-	-	-
13	9	56	WHS	34	-	-	-	-	-	-	-	-
13	9	56	COH	23	-	-	-	-	-	-	-	-
13	9	56	PNK	28	-	-	-	-	-	-	-	-
13	9	56	CHM	3	-	-	-	-	-	-	-	-
13	9	57	SOC	2,655	-	-	-	-	-	-	-	-
13	9	57	RDS	84	-	-	-	-	-	-	-	-
13	9	57	WHS	4	-	-	-	-	-	-	-	-
13	9	57	COH	2,125	-	-	-	-	-	-	-	-
13	9	57	PNK	439	-	-	-	-	-	-	-	-
13	9	57	CHM	143	-	-	-	-	-	-	-	-
13	9	58	SOC	8,252	-	-	-	-	-	-	-	-
13	9	58	RDS	29	-	-	-	-	-	-	-	-
13	9	58	COH	289	-	-	-	-	-	-	-	-
13	9	58	PNK	1,269	-	-	-	-	-	-	-	-
13	9	58	CHM	103	-	-	-	-	-	-	-	-
13	9	59	SOC	8,499	-	-	-	-	-	-	-	-
13	9	59	PNK	12	-	-	-	-	-	-	-	-
13	9	59	WHS	7	-	-	-	-	-	-	-	-
13	9	59	COH	504	-	-	-	-	-	-	-	-
13	9	59	PNK	2,076	-	-	-	-	-	-	-	-
13	9	59	CHM	206	-	-	-	-	-	-	-	-
14	10	60	SOC	15,591	-	-	-	-	-	-	-	-
14	10	60	RDS	16	-	-	-	-	-	-	-	-
14	10	60	WHS	39	-	-	-	-	-	-	-	-
14	10	60	STL	42	-	-	-	-	-	-	-	-
14	10	60	COH	620	-	-	-	-	-	-	-	-
14	10	60	PNK	3,723	-	-	-	-	-	-	-	-

Table F2. Continued.

Area		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
14	10	60	CHM	820	-	-	-	-	-	-	-	-
14	10	61	SOC	9,031	-	-	-	-	-	-	-	-
14	10	61	WHS	2	-	-	-	-	-	-	-	-
14	10	61	COH	130	-	-	-	-	-	-	-	-
14	10	61	PNK	221	-	-	-	-	-	-	-	-
14	10	61	CHM	46	-	-	-	-	-	-	-	-
14	10	62	SOC	12,447	-	-	-	-	-	-	-	-
14	10	62	RDS	224	-	-	-	-	-	-	-	-
14	10	62	WHS	73	-	-	-	-	-	-	-	-
14	10	62	STL	45	-	-	-	-	-	-	-	-
14	10	62	COH	4,318	-	-	-	-	-	-	-	-
14	10	62	PNK	16,051	-	-	-	-	-	-	-	-
14	10	62	CHM	7,975	-	-	-	-	-	-	-	-
17	11,12	64	SOC	2,304	-	-	-	-	-	-	-	-
17	11,12	64	RDS	334	-	-	-	-	-	-	-	-
17	11,12	64	PNS	99	-	-	-	-	-	-	-	-
17	11,12	64	WHS	127	-	-	-	-	-	-	-	-
17	11,12	64	BLB	142	-	-	-	-	-	-	-	-
17	11,12	64	STL	26	-	-	-	-	-	-	-	-
17	11,12	64	COH	5648	-	-	-	-	-	-	-	-
17	11,12	64	PNK	44336	-	-	-	-	-	-	-	-
17	11,12	64	CHM	6166	-	-	-	-	-	-	-	-
17	11,12	65	SOC	1204	-	-	-	-	-	-	-	-
17	11,12	65	RDS	-	-	-	4	-	-	-	-	-
17	11,12	65	PNS	124	-	-	-	-	-	-	-	-
17	11,12	65	WHS	47	-	-	-	-	-	-	-	-
17	11,12	65	BLB	155	-	-	-	-	-	-	-	-
17	11,12	65	STL	7	-	-	-	-	-	-	-	-
17	11,12	65	COH	1632	-	-	420	-	-	-	-	-
17	11,12	65	PNK	24292	-	-	20	-	-	-	-	-
17	11,12	65	CHM	838	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
17	11,12	66	SOC	1225	-	-	-	-	-	-	-	-
17	11,12	66	RDS	118	-	-	-	-	-	-	-	-
17	11,12	66	WHS	38	-	-	-	-	-	-	-	-
17	11,12	66	BLB	33	-	-	-	-	-	-	-	-
17	11,12	66	COH	2147	-	-	-	-	-	-	-	-
17	11,12	66	PNK	23253	-	-	-	-	-	-	-	-
17	11,12	66	CHM	4498	-	-	-	-	-	-	-	-
17	11,12	67	COH	-	-	-	178	-	-	-	-	-
17	11,12	67	CHM	-	2926	-	12	-	-	-	-	-
17	11,12	67	UNK	-	-	-	-	-	-	-	-	151
17	11,12	68	COH	-	-	-	84	-	-	-	-	-
17	11,12	68	PNK	-	-	-	59	-	-	-	-	-
17	11,12	68	CHM	-	1905	10	-	-	-	-	-	-
17	11,12	68	UNK	-	-	-	-	-	-	-	-	106
17	11,12	69	COH	-	-	-	150	-	-	-	-	-
17	11,12	69	CHM	-	900	-	-	-	-	-	-	-
17	11,12	69	UNK	-	-	-	-	-	-	-	-	30
18	13	70	SOC	1069	-	-	-	-	-	-	-	-
18	13	70	RDS	-	-	-	112	-	-	-	-	-
18	13	70	PNS	99	-	-	-	-	-	-	-	-
18	13	70	WHS	30	-	-	29	-	-	-	-	-
18	13	70	BLB	4035	-	-	-	-	-	-	-	-
18	13	70	COH	1376	-	-	202	-	-	-	-	-
18	13	70	PNK	15000	-	-	129	-	-	-	-	-
18	13	70	CHM	2130	-	-	5321	-	-	-	-	-
18	13	71	CHM	-	2788	-	-	-	-	-	-	-
18	13	71	UNK	-	-	-	-	-	-	-	-	161
19	14	72	SOC	611	-	-	-	-	-	-	-	-
19	14	72	RDS	92	-	-	-	-	-	-	-	-
19	14	72	PNS	278	-	-	-	-	-	-	-	-
19	14	72	WHS	482	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
19	14	72	BLB	4099	-	-	-	-	-	-	-	-
19	14	72	COH	1679	-	-	-	-	-	-	-	-
19	14	72	PNK	11080	-	-	-	-	-	-	-	-
19	14	72	CHM	4229	-	-	-	-	-	-	-	-
19	14	72	UNK	-	-	-	-	-	-	-	-	162
20	15,16	74	COH	-	-	-	23	-	-	-	-	-
20	15,16	74	PNK	-	632	-	1396	-	-	-	-	-
20	15,16	74	CHM	-	2024	-	-	-	-	-	-	-
20	15,16	74	UNK	-	-	-	-	-	-	-	-	100
21	17	79	CHM	-	6040	-	-	-	-	-	-	-
22	18-20	86	RDS	-	-	-	300	-	-	-	-	-
22	18-20	86	WHS	-	-	-	30	-	-	-	-	-
22	18-20	86	BLB	-	-	-	30	-	-	-	-	-
22	18-20	86	COH	-	-	-	100	-	-	-	-	-
22	18-20	86	PNK	-	-	-	30	-	-	-	-	-
22	18-20	87	RDS	-	-	-	261	-	-	-	-	-
22	18-20	87	PNS	-	-	-	16	-	-	-	-	-
22	18-20	87	WHS	-	-	-	90	-	-	-	-	-
22	18-20	87	STL	-	-	-	12	-	-	52	-	-
22	18-20	87	COH	-	-	-	33	-	-	-	-	-
22	18-20	87	PNK	-	-	-	-	-	-	-	-	-
22	18-20	88	RDS	-	-	-	-	-	-	30	-	-
22	18-20	89	SOC	8721	-	-	-	-	-	1751	-	-
22	18-20	89	COH	4829	-	-	-	-	-	-	-	-
22	18-20	89	PNK	14485	-	-	-	-	-	-	-	-
22	18-20	89	CHM	259	-	-	-	-	-	-	-	-
24	23	93	SOC	1172	-	-	-	-	-	-	-	-
24	23	93	RDS	1066	-	-	-	-	-	-	-	-
24	23	93	COH	102	-	-	-	-	-	-	-	-
24	23	93	CHM	7425	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
24	23	94	SOC	6216	-	-	-	-	-	-	-	-
24	23	94	RDS	188	-	-	-	-	-	-	-	-
24	23	94	STL	114	-	-	-	-	-	-	-	-
24	23	94	COH	3717	-	-	-	-	-	-	-	-
24	23	94	PNK	1339	-	-	-	-	-	-	-	-
24	23	94	CHM	18707	-	-	-	-	-	-	-	-
24	23	95	SOC	-	-	-	1063	-	-	-	-	-
24	23	95	RDS	-	-	-	171	-	-	-	-	-
24	23	95	WHS	-	-	-	20	-	-	-	-	-
24	23	95	CHM	-	18926	-	-	-	-	-	-	-
24	23	95	UNK	-	-	-	-	-	-	-	-	874
24	23	98	CHM	-	988	-	-	-	-	-	-	-
25	24	99	SOC	1132	-	-	-	-	-	-	-	-
25	24	99	COH	1110	-	-	-	-	-	-	-	-
25	24	99	CHM	4947	-	-	-	-	-	-	-	-
26	25	106	SOC	558	-	-	-	-	-	-	-	-
26	25	106	RDS	226	-	-	-	-	-	-	-	-
26	25	106	COH	5929	-	-	-	-	-	-	-	-
26	25	106	PNK	346	-	-	-	-	-	-	-	-
26	25	106	CHM	16492	-	-	-	-	-	-	-	-
26	25	107	COH	-	-	-	72	-	-	-	-	-
26	25	107	CHM	-	3919	-	-	-	-	-	-	-
26	25	107	UNK	-	-	-	-	-	-	-	-	265
27	26	108	CHM	-	3508	-	-	-	-	-	-	-
27	26	108	UNK	-	-	-	-	-	-	-	-	147
			Total	1,265,072	82,875	279	116,193	172	267	18,262	196	5,315

a. DBS area numbers from left column in Table F1. Text Figure 3 illustrates DFO areas.

b. Species codes. SOC, sockeye. RDS, red spring. PNS, pink spring. WHS, white spring. JKS, jack spring. SPR, spring. BLB, blueback. STL, steelhead. COH, coho. PNK, pink. CHM, chum. UNK, unknown.

c. Roe was excluded from calculations of GLW because it was already accounted for in the grossed-up amounts for other products.

d. Excluded from total because product was salmon eggs that were sold as sport bait.

Table F3. Summaries of 1933 canned pack and product amounts, by species and area, from Table F2.

a) Canned (cases)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	9757	885	227	184	-	-	-	49	3251	44306	1775	-	60,434
8	4	30506	2626	444	227	-	-	-	267	39896	95783	15714	-	185,463
9	5	2819	-	-	-	-	-	-	-	9004	12440	4576	-	28,839
10	6	1313	477	-	-	-	-	-	-	6777	15050	26547	-	50,164
11	7	10384	159	44	13	-	-	-	247	10787	23478	82834	-	127,946
12	8	11590	138	-	10	-	-	-	580	5176	39258	9645	-	66,397
13	9	76976	214	96	127	-	-	-	82	3446	5071	677	-	86,689
14	10	37069	240	-	114	-	-	-	87	5068	19995	8841	-	71,414
17	11,12	4733	452	223	212	-	-	330	33	9427	91881	11502	-	118,793
18	13	1069	-	99	30	-	-	4035	-	1376	15000	2130	-	23,739
19	14	611	92	278	482	-	-	4099	-	1679	11080	4229	-	22,550
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	8721	-	-	-	-	-	-	-	4829	14485	259	-	28,294
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	7388	1254	-	-	-	-	-	114	3819	1339	26132	-	40,046
25	24	1132	-	-	-	-	-	-	-	1110	-	4947	-	7,189
26	25	558	226	-	-	-	-	-	-	5929	346	16492	-	23,551
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	53481	5701	426	4323	-	231	13299	-	25715	143058	77330	-	323,564
	Total	258,107	12,464	1,837	5,722	-	231	21,763	1,459	137,289	532,570	293,630	-	1,265,072

Table F3. Continued.

b) Dry Salted (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	15244	-	15,244
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	904	-	904
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	5731	-	5,731
18	13	-	-	-	-	-	-	-	-	-	-	2788	-	2,788
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	632	2024	-	2,656
21	17	-	-	-	-	-	-	-	-	-	-	6040	-	6,040
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	19914	-	19,914
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	3919	-	3,919
28	27	-	-	-	-	-	-	-	-	-	-	3508	-	3,508
3	28,29	-	-	-	89	-	-	-	-	-	6837	15245	-	22,171
	Total	-	-	-	89	-	-	-	-	-	7,469	75,317	-	82,875

Table F3. Continued.

c) Pickled (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	103	-	-	-	-	-	-	7	-	-	-	110
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	10	-	10
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	159	-	-	-	-	-	-	-	-	-	-	159
	Total	-	262	-	-	-	-	-	-	7	-	10	-	279

Table F3. Continued.

d) Fresh Frozen (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	4	13995	-	2049	-	-	-	3077	16048	74	3532	-	38,779
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	2154	-	946	-	-	-	3	5648	1	1	-	8,753
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	4	-	-	-	-	-	-	832	79	12	-	927
18	13	-	112	-	29	-	-	-	-	202	129	5321	-	5,793
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	23	1396	-	-	1,419
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	561	16	120	-	-	30	12	133	30	-	-	902
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	1063	171	-	20	-	-	-	-	-	-	-	-	1,254
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	72	-	-	-	72
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	192	6632	3	21914	32	-	413	772	10523	8892	8921	-	58,294
	Total	1,259	23,629	19	25,078	32	-	443	3,864	33,481	10,601	17,787	-	116,193

Table F3. Continued.

e) Smoked, including pickled smoked. (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	-	-
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	69	-	254	-	116	-	-	-	-	-	-	439
	Total	-	69	-	254	-	116	-	-	-	-	-	-	439

Table F3. Continued.

f) Mild Cured (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	3234	-	-	-	-	-	-	-	-	-	-	3234
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	6585	-	-	-	-	-	-	-	-	-	-	6585
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	-	-
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	1751	-	52	-	-	-	-	-	30	-	-	1833
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	6492	-	-	-	-	-	-	118	-	-	-	6610
	Total	-	18,062	-	52	-	-	-	-	118	30	-	-	18262

Table F3. Continued.

g) Bait (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	196	196
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	-	-
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	-	-	-	-	-	-	-	-	-	-	14[a]	0
	Total	-	-	-	-	-	-	-	-	-	-	-	196	196

a. Excluded from total because product was roe used as sport bait.

Table F3. Continued.

h) Roe (cwt)[b]

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	732	732
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	-	1199	1,199
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	287	287
18	13	-	-	-	-	-	-	-	-	-	-	-	161	161
19	14	-	-	-	-	-	-	-	-	-	-	-	162	162
20	15,16	-	-	-	-	-	-	-	-	-	-	-	100	100
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	874	874
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	265	265
27	26	-	-	-	-	-	-	-	-	-	-	-	147	147
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	-	-	-	-	-	-	-	-	-	-	1388	1,388
	Total	-	-	-	-	-	-	-	-	-	-	-	5,315	5,315

b. Roe was a byproduct and was not included in calculation of aggregate GLW.

Table F4. Summary of canned packs, products and green landed weights for 1933.[a] GLW not adjusted for transfers.

a) Amount of salmon canned and processed by other methods, by species.

Species	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked (Kippered) (cwt)	Mild Cured (cwt)	Bait (cwt)	Roe (cwt)	Total GLW (cwt)
Sockeye	258,107	-	-	1,259	-	-	-	-	218,071
%	20.4			1.1					
Pink	532,570	7,469	-	10,601	-	30	-	-	467,343
%	42.1	9.0		9.1		0.2			
Chum	293,630	75,317	10	17,787	-	-	-	-	358,596
%	23.2	90.9	3.6	15.3					
Coho	159,052	-	7	33,924	-	118	-	-	167,715
%	12.6		2.5	29.2		0.6			
Chinook	20,254	89	262	48,758	439	18,114	-	-	94,192
%	1.6	0.1	93.9	42.0	100.0	99.2			
Steelhead	1,459	-	-	3,864	-	-	-	-	5,089
%	0.1			3.3					
Unknown	-	-	-	-	-	-	196	5,315	196
%							100.0	100.0	
Amount of Products	1,265,072	82,875	279	116,193	439	18,262	196	5,315	1,488,631
GLW (cwt)	1,062,661	103,594	419	116,193	746	27,393	196	0[b]	1,311,202

b) Green Landed Weights by areas and species (in cwt), of salmon processed in each area.

Area DBS	Area DFO	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
DISTRICT II									
5	1	-	-	-	-	-	-	-	-
6	2	-	-	19,055	-	-	-	-	19,055
7	3	8,196	37,217	1,491	2,731	1,089	41	-	50,765
8	4	25,629	80,532	16,732	49,571	23,819	3,301	-	199,584
9	5	2,368	10,450	3,844	7,563	-	-	-	24,225
10	6	1,103	12,643	22,300	11,341	13,378	3	196	60,964
11	7	8,723	19,722	70,711	9,061	181	207	-	108,605
12	8	9,736	32,977	8,102	4,348	124	487	-	55,774
13	9	64,660	4,260	569	2,895	367	69	-	72,820
14	10	31,138	16,796	7,426	4,257	297	73	-	59,987
Total		151,553	214,597	150,230	91,767	39,255	4,181	196	651,779
DISTRICT III									
17	11,12	3,976	77,259	16,852	9,028	749	28	-	107,892
18	13	898	12,729	10,595	4,747	249	-	-	29,218
19	14	513	9,307	3,552	4,854	716	-	-	18,942
20	15,16	-	2,186	2,530	23	-	-	-	4,739
21	17	-	-	7,550	-	-	-	-	7,550
22	18-20	7,326	12,242	218	4,219	3,402	12	-	27,419
23	21,22	-	-	-	-	-	-	-	-
24	23	7,269	1,125	46,843	3,208	1,244	96	-	59,785
25	24	951	-	4,155	932	-	-	-	6,038
26	25	469	291	13,853	5,052	190	-	-	19,855
27	26	-	-	4,899	-	-	-	-	4,899
28	27	-	-	4,385	-	-	-	-	4,385
Total		21,402	115,139	115,432	32,063	6,550	136	-	290,722
DISTRICT I									
3	28,29	45,116	137,607	92,934	43,885	48,387	772	0	368,701
Grand Total		218,071	467,343	358,596	167,715	94,192	5,089	196	1,311,202

a. Sources: Tables F2 and F3.

b. By-products, not included in calculation of aggregate Green Landed Weights.

Table F5a. Canned Pack (cases) and product (cwt) amounts, by area and company, from Supplemental Schedules completed by Fishery Officers for 1933.

Area		Company Number	Product[a]	Amount
DBS	DFO			
3	28,29	1	F	7,992
3	28,29	1	C	67,985
3	28,29	1	S	4,200
3	28,29	2	C	71,297
3	28,29	3	F	7,800
3	28,29	3	M	116
3	28,29	4	C	32,947
3	28,29	5	C	11,608
3	28,29	6	C	18,380
3	28,29	7	F	398
3	28,29	7	C	7,424
3	28,29	7	R	38
3	28,29	8	F	2,920
3	28,29	8	C	43,693
3	28,29	8	S	3,075
3	28,29	8	R	420
3	28,29	9	F	1.154
3	28,29	9	C	23,292
3	28,29	10	C	5,072
3	28,29	11	C	41,866
3	28,29	11	S	1,104
3	28,29	13	R	330
3	28,29	13	B	14
3	28,29	14	F	66
3	28,29	15	F	833
3	28,29	16	F	20,108
3	28,29	16	M	113
3	28,29	16	U	6,610
3	28,29	16	P	159
3	28,29	17	F	1,590
3	28,29	18	F	1,901
3	28,29	18	M	210
3	28,29	19	S	3,120
3	28,29	20	S	4,703
3	28,29	20	R	250
3	28,29	21	F	13,532
3	28,29	21	S	3,419
3	28,29	21	R	350
3	28,29	22	S	2,550
6	2	24	S	13,244
6	2	24	R	732
6	2	25	S	2,000
7	3	27	C	20,035
7	3	28	C	18,843
7	3	29	C	21,556
8	4	30	C	8,141
8	4	31	C	13,086
8	4	32	C	15,050
8	4	33	C	29,945
8	4	34	C	18,635
8	4	35	C	7,905
8	4	36	C	10,053
8	4	37	C	17,031
8	4	38	C	25,594
8	4	40	C	40,023
8	4	42	F	35,786
8	4	42	U	304
8	4	42	P	110
8	4	43	F	43
8	4	44	F	2,950
8	4	44	U	2,930
9	5	46	C	28,839
10	6	47	F	8,753
10	6	47	C	50,164
10	6	47	U	6,585
10	6	47	B	196
11	7	48	C	127,946
11	7	48	R	1,199
11	7	49	S	904
12	8	50	C	23,565
12	8	51	C	42,832
13	9	52	C	9,996
13	9	53	C	14,160
13	9	54	C	13,917
13	9	55	C	13,879
13	9	56	C	8,041
13	9	57	C	5,450
13	9	58	C	9,942
13	9	59	C	11,304
14	10	60	C	20,851
14	10	61	C	9,430
14	10	62	C	41,133
17	11,12	64	C	59,182
17	11,12	65	F	444
17	11,12	65	C	28,299
17	11,12	66	C	31,312
17	11,12	67	F	190
17	11,12	67	S	2,926
17	11,12	67	R	151
17	11,12	68	F	143
17	11,12	68	S	1,905
17	11,12	68	P	10
17	11,12	68	R	106
17	11,12	69	F	150
17	11,12	69	S	900
17	11,12	69	R	30
18	13	70	F	5,793
18	13	70	C	23,739
19	13	71	S	2,788
19	13	71	R	161
21	14	72	C	22,550
21	14	72	R	162
20	15,16	74	F	1,419
20	15,16	74	S	2,656
20	15,16	74	R	100
21	17	79	S	6,040
22	18-20	86	F	490
22	18-20	87	F	412
22	18-20	87	U	82
22	18-20	88	U	1,751
22	18-20	89	C	28,294
24	23	93	C	9,765
24	23	94	C	30,281
24	23	95	F	1,254
24	23	95	S	18,926
24	23	95	R	874
24	23	98	S	988
25	24	99	C	7,189
26	25	106	C	23,551
26	25	107	F	72
26	25	107	S	3,919
26	25	107	R	265
27	26	108	S	3,508
27	26	108	R	147
		Total (cases + cwt)		745,460

a.. See headings for Table F5b for key to products.

Table F5b. Summary of canned pack (cases) and product (cwt) amounts, by area, from Supplemental Schedules completed by officers for 1933.

Area		Canned	Dry Salted	Pickled	Fresh/ Frozen	Smoked	Mild Cured	Bait	Roe
DBS	DFO								
	Key:	C	S	P	F	M	U	B	R
5	1	-	-	-	-	-	-	-	-
6	2	-	15,244	-	-	-	-	-	732
7	3	60,434	-	-	-	-	-	-	-
8	4	185,463	-	110	38,779	-	3,234	-	-
9	5	28,839	-	-	-	-	-	-	-
10	6	50,164	-	-	8,753	-	6,585	196	-
11	7	127,946	904	-	-	-	-	-	1,199
12	8	66,397	-	-	-	-	-	-	-
13	9	86,689	-	-	-	-	-	-	-
14	10	71,414	-	-	-	-	-	-	-
17	11,12	118,793	5,731	10	927	-	-	-	287
18	13	23,739	2,788	-	5,793	-	-	-	161
19	14	22,550	-	-	-	-	-	-	162
20	15,16	-	2,656	-	1,419	-	-	-	100
21	17	-	6,040	-	-	-	-	-	-
22	18-20	28,294	-	-	902	-	1,833	-	-
23	21,22	-	-	-	-	-	-	-	-
24	23	40,046	19,914	-	1,254	-	-	-	874
25	24	7,189	-	-	-	-	-	-	-
26	25	23,551	3,919	-	72	-	-	-	265
27	26	-	3,508	-	-	-	-	-	147
28	27	-	-	-	-	-	-	-	-
3	28,29	323,564	22,171	159	58,294	439	6,610	14[a]	1,388
	TOTAL	1,265,072	82,875	279	116,193	439	18,262	196	5,315
					Total of All Products in All Areas (cases + cwt)				1,488,631

a. Excluded from the total because the product was actually salmon eggs sold in jars for sport fishing. Not included by DBS.

Table F6. Products prepared by fishermen (cwt) and recorded on Schedule II forms, 1933.

Area		Area Name	Dry Salted	Pickled	Fresh (by fishermen)	Smoked	Mild Cured	Bait	Total
DBS	DFO								
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	-	-	-	-	-	-
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	-	-	-	-	-	-
7	3	The Naas River	-	-	-	-	-	-	-
8	4	Skeena River, including Prince Rupert and Upper Skeena	-	-	19	-	-	-	19
9	5	Grenville-Principe area	-	-	-	-	-	-	-
10	6	Butedale including Gardiner Canal	-	-	-	-	-	-	-
11	7	Bella Bella and Fitzhugh Sound	-	-	-	-	-	-	-
12	8	Bella Coola, Dean and Burke Channels	-	-	-	-	-	-	-
13	9	Rivers Inlet	-	-	-	-	-	-	-
14	10	Smiths Inlet	-	-	-	-	-	-	-
17	11,12	Cape Scott to Tuna Point., including waters between Vancouver Is & Mainland	-	-	13,521	-	-	3	13,524
18	13	Tuna Point to Shelter Point, including Mainland waters opposite	-	-	880	-	-	-	880
19	14	Shelter Point to French Creek	-	-	297	-	-	-	297
20	15,16	Mainland waters from George Point to Gower Point	-	-	3,147	-	-	-	3,147
21	17	French Creek to Shoal Harbour, including Nanaimo	-	-	1,529	-	-	-	1,529 [a]
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	-	-	13,985	-	-	-	13,985
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	-	-	-	-	-	-	-
24	23	Barclay Sound and Port Alberni	-	-	19,209	-	-	-	19,209
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	-	-	5,083	-	-	-	5,083
26	25	Estevan Point to Tachu Point, including Nootka Sound	-	-	281	-	-	-	281
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	-	-	5,806	-	-	-	5,806
28	27	Cape Cook to Cape Scott, including Quatsino Sound	-	-	2,417	-	-	-	2,417
3	28,29	Fraser River and Howe Sound	-	-	33,212	-	-	-	33,212
		Total	-	-	99,386	-	-	3	99,389

a. Based on pencilled changes to Schedule II for DBS area 21, this amount was revised to 1,529 cwt from 1,029 cwt after the DBS statistics for 1933 were finalised.

Table F7 . Green landed weight (GLW), canned pack and product statistics for 1933 from the Dominion Bureau of Statistics report on Fisheries Statistics of Canada (DBS) (Part a) of table), and from Schedule 1As (GLW), Supplemental Schedules and Schedules IIs and working tables on transfers (Part b) of table). Calculated GLW equals canned pack and product amounts in this table multiplied by conversion factors in Table D4. Published GLW (data column 1) has been adjusted by DBS for transfers.

Area Number		Area Name	GLW	Canned	Dry Salted	Pickled	Fresh/ Frozen	Smoked	Mild Cured	Bait	Calculated GLW
DBS	DFO		(cwt)	(cases)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)
a) Green Landed Weights and Canned/Product Amounts from DBS Report (Table F1).											
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	29,287	-	-	-	-	-	-	-	-
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	43,597	-	15,244	-	-	-	-	-	19,055
7	3	The Naas River	95,183	60,434	-	-	-	-	-	-	50,765
8	4	Skeena River, including Prince Rupert and Upper Skeena	139,368	185,463	-	110	38,798	-	3,234	-	199,603
9	5	Grenville-Principe area	26,497	28,839	-	-	-	-	-	-	24,225
10	6	Butedale including Gardiner Canal	51,548	50,164	-	-	8,753	-	6,585	196	60,964
11	7	Bella Bella and Fitzhugh Sound	96,293	127,946	904	-	-	-	-	-	108,605
12	8	Bella Coola, Dean and Burke Channels	65,166	66,397	-	-	-	-	-	-	55,773
13	9	Rivers Inlet	88,497	86,689	-	-	-	-	-	-	72,819
14	10	Smiths Inlet	37,775	71,414	-	-	-	-	-	-	59,988
17	11,12	C. Scott to Tuna Pt., incl waters betwn Van Is. & Mainld	130,778	118,793	5,731	10	14,448	-	-	3	121,416
18	13	Tuna Pt. to Shelter Point, incl Mainland waters opposite	48,625	23,739	2,788	-	6,673	-	-	-	30,099
19	14	Shelter Point to French Creek	36,691	22,550	-	-	297	-	-	-	19,239
20	15,16	Mainland waters from George Point to Gower Point	19,810	-	2,656	-	4,566	-	-	-	7,886
21	17	French Creek to Shoal Harbour, including Nanaimo	22,229	-	6,040	-	1,029 [a]	-	-	-	8,579
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	41,391	28,294	-	-	14,887	-	1,833	-	41,403
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	42,310	-	-	-	-	-	-	-	-
24	23	Barclay Sound and Port Alberni	52,505	40,046	19,914	-	20,463	-	-	-	78,994
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	15,982	7,189	-	-	5,083	-	-	-	11,122
26	25	Estevan Point to Tachu Point, including Nootka Sound	21,462	23,551	3,919	-	353	-	-	-	25,035
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	10,191	-	3,508	-	5,806	-	-	-	10,191
28	27	Cape Cook to Cape Scott, including Quatsino Sound	6,420	-	-	-	2,417	-	-	-	2,417
3	28,29	Fraser River and Howe Sound	288,899	323,564	22,171	159	90,565 [b]	439	6,610	-	400,972
		Total	1,410,504	1,265,072	82,875	279	214,138	439	18,262	199	1,409,150

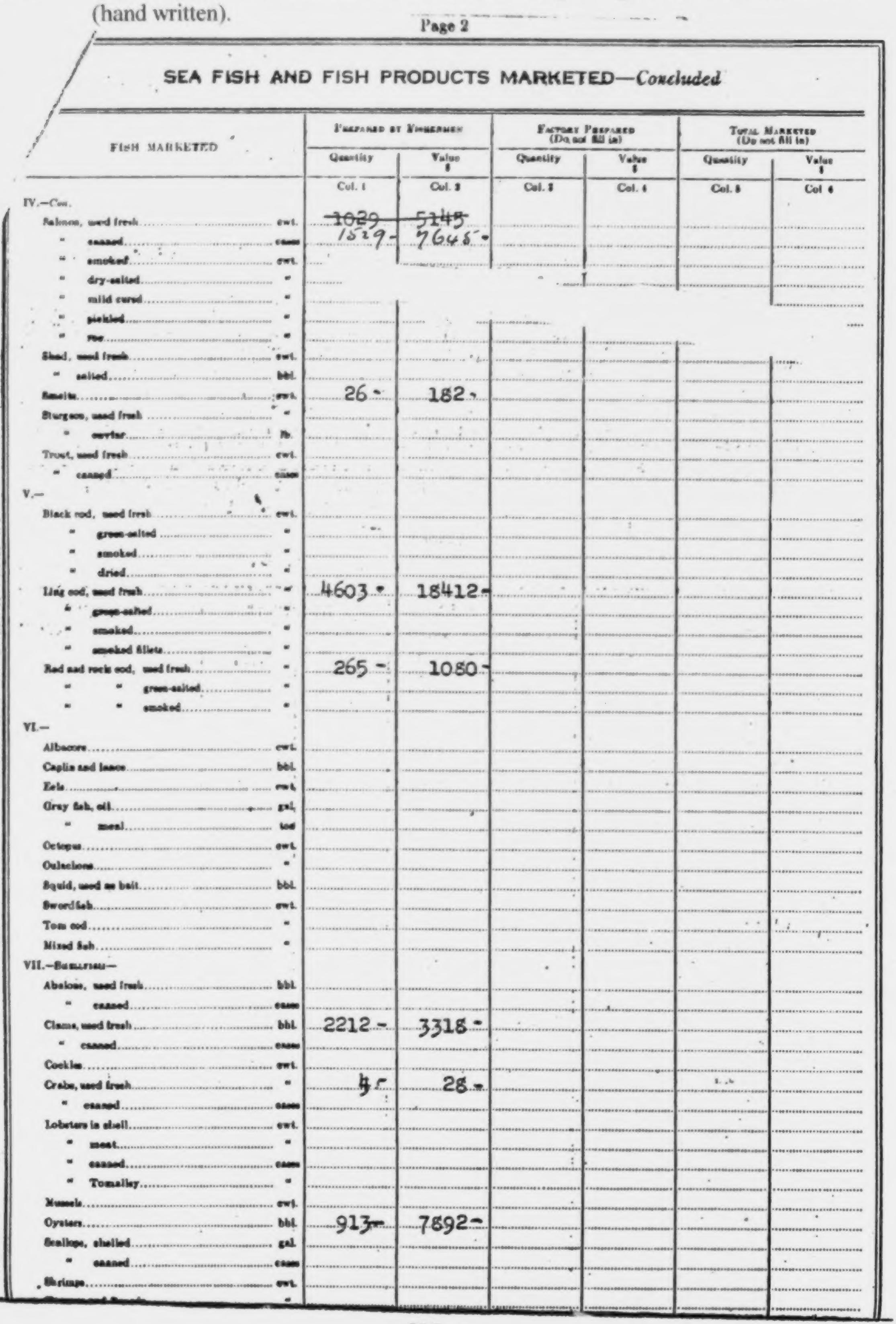
Table F7. Continued

Area Number		Area Name	Canned	Dry Salted	Pickled	Fresh/ Frozen	Smoked	Mild Cured	Bait	Calculated GLW
DBS	DFO		(cases)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)
b) Green Landed Weights and Canned/Product Amounts from Schedules (Tables F4 to F6).										
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	-	-	-	-	-	-	-
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	15,244	-	-	-	-	-	19,055
7	3	The Naas River	60,434	-	-	-	-	-	-	50,765
8	4	Skeena River, including Prince Rupert and Upper Skeena	185,463	-	110	38,798	-	3,234	-	199,603
9	5	Grenville-Principe area	28,839	-	-	-	-	-	-	24,225
10	6	Butedale including Gardiner Canal	50,164	-	-	8,753	-	6,585	196	60,964
11	7	Bella Bella and Fitzhugh Sound	127,946	904	-	-	-	-	-	108,605
12	8	Bella Coola, Dean and Burke Channels	66,397	-	-	-	-	-	-	55,773
13	9	Rivers Inlet	86,689	-	-	-	-	-	-	72,819
14	10	Smiths Inlet	71,414	-	-	-	-	-	-	59,988
17	11,12	C. Scott to Tuna Pt., incl waters betwn Van Is. & Mainld	118,793	5,731	10	14,448	-	-	3	121,416
18	13	Tuna Pt. to Shelter Point, incl Mainland waters opposite	23,739	2,788	-	6,673	-	-	-	30,099
19	14	Shelter Point to French Creek	22,550	-	-	297	-	-	-	19,239
20	15,16	Mainland waters from George Point to Gower Point	-	2,656	-	4,566	-	-	-	7,886
21	14,17	French Creek to Shoal Harbour, including Nanaimo	-	6,040	-	1,529 [a]	-	-	-	9,079
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	28,294	-	-	14,887	-	1,833	-	41,403
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	-	-	-	-	-	-	-	-
24	23	Barclay Sound and Port Alberni	40,046	19,914	-	20,463	-	-	-	78,994
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	7,189	-	-	5,083	-	-	-	11,122
26	25	Estevan Point to Tachu Point, including Nootka Sound	23,551	3,919	-	353	-	-	-	25,035
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	-	3,508	-	5,806	-	-	-	10,191
28	27	Cape Cook to Cape Scott, including Quatsino Sound	-	-	-	2,417	-	-	-	2,417
3	28,29	Fraser River and Howe Sound	323,564	22,171	159	91,506 [b]	439	6,610	-	401,913
		Total	1,265,072	82,875	279	215,579	439	18,262	199	1,410,591

a. Amounts of Fresh/Frozen differ by 500 cwt due to a late correction to Schedule II by DMF. See Section 2.2.2 of this Appendix.

b. Amounts of Fresh/Frozen differ by 941 cwt as explained in Section 2.2.2 of this Appendix.

Table F8. Extract from Schedule II for DBS area 21 showing change to fresh salmon in 1933 (hand written).

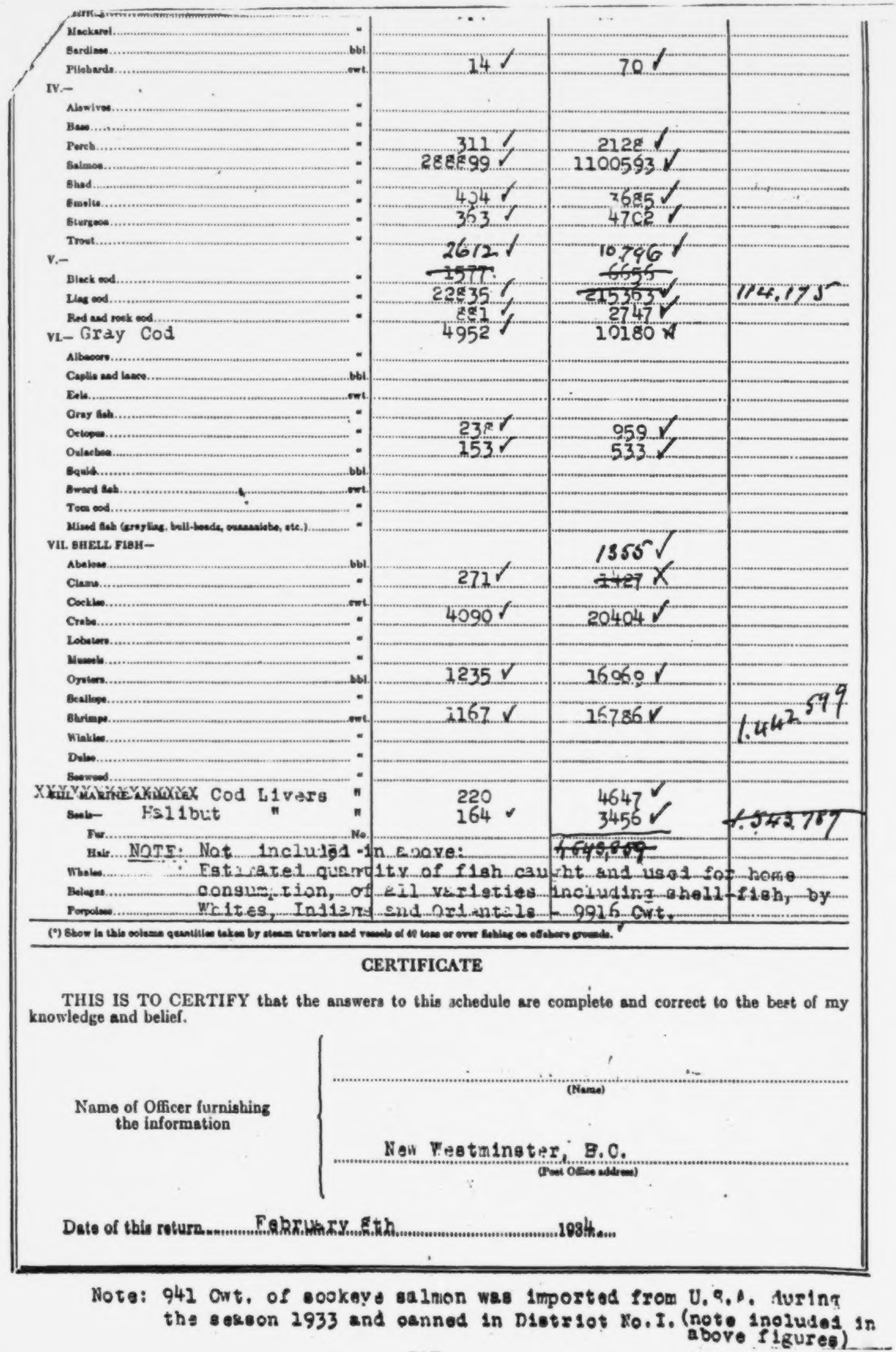


Page 2

SEA FISH AND FISH PRODUCTS MARKETED—*Concluded*

Fish Marketed		Prepared by Fishermen		Factory Prepared (Do not fill in)		Total Marketed (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
IV.—Con.							
Salmon, used fresh	cwt.	~~1029~~ 1529-	~~5145~~ 7645-				
" canned	cases						
" smoked	cwt.						
" dry-salted	"						
" mild cured	"						
" pickled	"						
" roe	"						
Shad, used fresh	cwt.						
" salted	bbl.						
Smelts	cwt.	26-	182-				
Sturgeon, used fresh	"						
" caviar	lb.						
Trout, used fresh	cwt.						
" canned	cases						
V.—							
Black cod, used fresh	cwt.						
" green-salted	"						
" smoked	"						
" dried	"						
Ling cod, used fresh	"	4603-	18412-				
" green-salted	"						
" smoked	"						
" smoked fillets	"						
Red and rock cod, used fresh	"	265-	1080-				
" " green-salted	"						
" " smoked	"						
VI.—							
Albacore	cwt.						
Caplin and lance	bbl.						
Eels	cwt.						
Gray fish, oil	gal.						
" meal	ton						
Octopus	cwt.						
Oulachons	"						
Squid, used as bait	bbl.						
Swordfish	cwt.						
Tom cod	"						
Mixed fish	"						
VII.—Shellfish—							
Abalone, used fresh	bbl.						
" canned	cases						
Clams, used fresh	bbl.	2212-	3318-				
" canned	cases						
Cockles	cwt.						
Crabs, used fresh	"	45	28-				
" canned	cases						
Lobsters in shell	cwt.						
" meat	"						
" canned	cases						
" Tomalley	"						
Mussels	cwt.						
Oysters	bbl.	913-	7892-				
Scallops, shelled	gal.						
" canned	cases						
Shrimps	cwt.						

Table F9. Extract from Schedule 1A for District I (DBS area 3) showing footnote regarding sockeye imported from the United States in 1933.



Mackerel	"			
Sardines	bbl.			
Pilchards	cwt.	14 ✓	70 ✓	
IV.—				
Alewives	"			
Bass	"			
Perch	"	311 ✓	2128 ✓	
Salmon	"	288899 ✓	1100593 ✓	
Shad	"			
Smelts	"	434 ✓	3685 ✓	
Sturgeon	"	363 ✓	4702 ✓	
Trout	"	2612 ✓	10796 ✓	
V.—				
Black cod	"	~~1577~~	~~6655~~	
Ling cod	"	22835 ✓	~~215363~~ ✓	114,175
Red and rock cod	"	881 ✓	2747 ✓	
VI.— Gray Cod		4952 ✓	10180 ✓	
Albacore	"			
Caplin and launce	bbl.			
Eels	cwt.			
Gray fish	"			
Octopus	"	238 ✓	959 ✓	
Oulachon	"	153 ✓	533 ✓	
Squid	bbl.			
Sword fish	cwt.			
Tom cod	"			
Mixed fish (greyling, bull-heads, ouananiche, etc.)	"			
VII. SHELL FISH—				
Abalone	bbl.		1355 ✓	
Clams	"	271 ✓	~~1427~~ X	
Cockles	cwt.			
Crabs	"	4090 ✓	20404 ✓	
Lobsters	"			
Mussels	"			
Oysters	bbl.	1235 ✓	16969 ✓	
Scallops	"			
Shrimps	cwt.	1167 ✓	16786 ✓	1,442,599
Winkles	"			
Dulse	"			
Seaweed	"			
~~VIII. MARINE ANIMALS~~ Cod Livers	"	220	4647 ✓	
Seals— Halibut "	"	164 ✓	3456 ✓	~~1,543,787~~
Fur	No.			
Hair			~~1,649,809~~	
Whales				
Belugas				
Porpoises				

NOTE: Not included in above:
Estimated quantity of fish caught and used for home consumption, of all varieties including shell-fish, by Whites, Indians and Orientals - 9916 Cwt.

(*) Show in this column quantities taken by steam trawlers and vessels of 40 tons or over fishing on offshore grounds.

CERTIFICATE

THIS IS TO CERTIFY that the answers to this schedule are complete and correct to the best of my knowledge and belief.

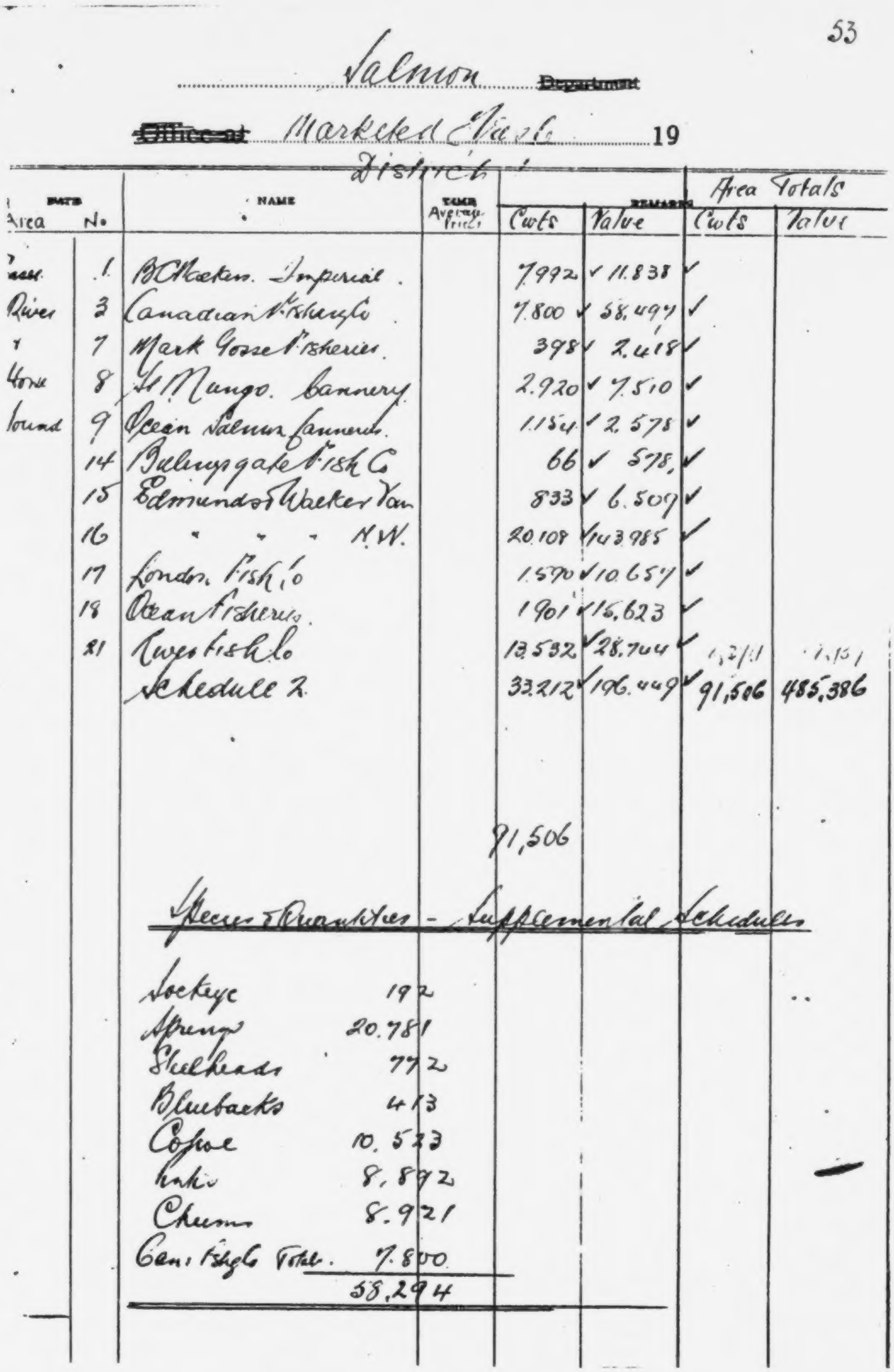
Name of Officer furnishing the information .... (Name)

New Westminster, B.C. (Post Office address)

Date of this return February 8th 1934

Note: 941 Cwt. of sockeye salmon was imported from U.S.A. during the season 1933 and canned in District No. I. (note included in above figures)

Table F10	Extracts from worksheets for fresh and canned salmon from the annual statistics for 1933. Continued.



53

Salmon ~~Department~~

~~Office at~~ Marketed Fresh 19

District

DATE		NAME	TIME	REMARKS		Area Totals	
Area	No.		Average Price	Cwts	Value	Cwts	Value
[illegible]	1	B.C. Packers. Imperial.		7.992	✓ 11.838	✓	
River	3	Canadian Fishing Co		7.800	✓ 58.497	✓	
&	7	Mark Gosse Fisheries.		398	✓ 2.418	✓	
Howe	8	St Mungo. Cannery		2.920	✓ 7.510	✓	
Sound	9	Ocean Salmon Canneries.		1.154	✓ 2.578	✓	
	14	Billingsgate Fish Co		66	✓ 578.	✓	
	15	Edmunds & Walker Van		833	✓ 6.509	✓	
	16	" " " N.W.		20.108	✓ 143.985	✓	
	17	London Fish Co		1.590	✓ 10.657	✓	
	18	Ocean Fisheries.		1901	✓ 15.623	✓	
	21	Queens Fish Co		13.532	✓ 28.704	✓ [illegible]	[illegible]
		Schedule 2.		33.212	✓ 196.449	✓ 91,506	485,386

91,506

Species & Quantities - Supplemental Schedules

Sockeye	192
Springs	20.781
Steelheads	772
Bluebacks	413
Cohoe	10.523
Pinks	8.892
Chums	8.921
Can. Fishg Co Total.	7.800
	58.294

Table F10. Continued.

56

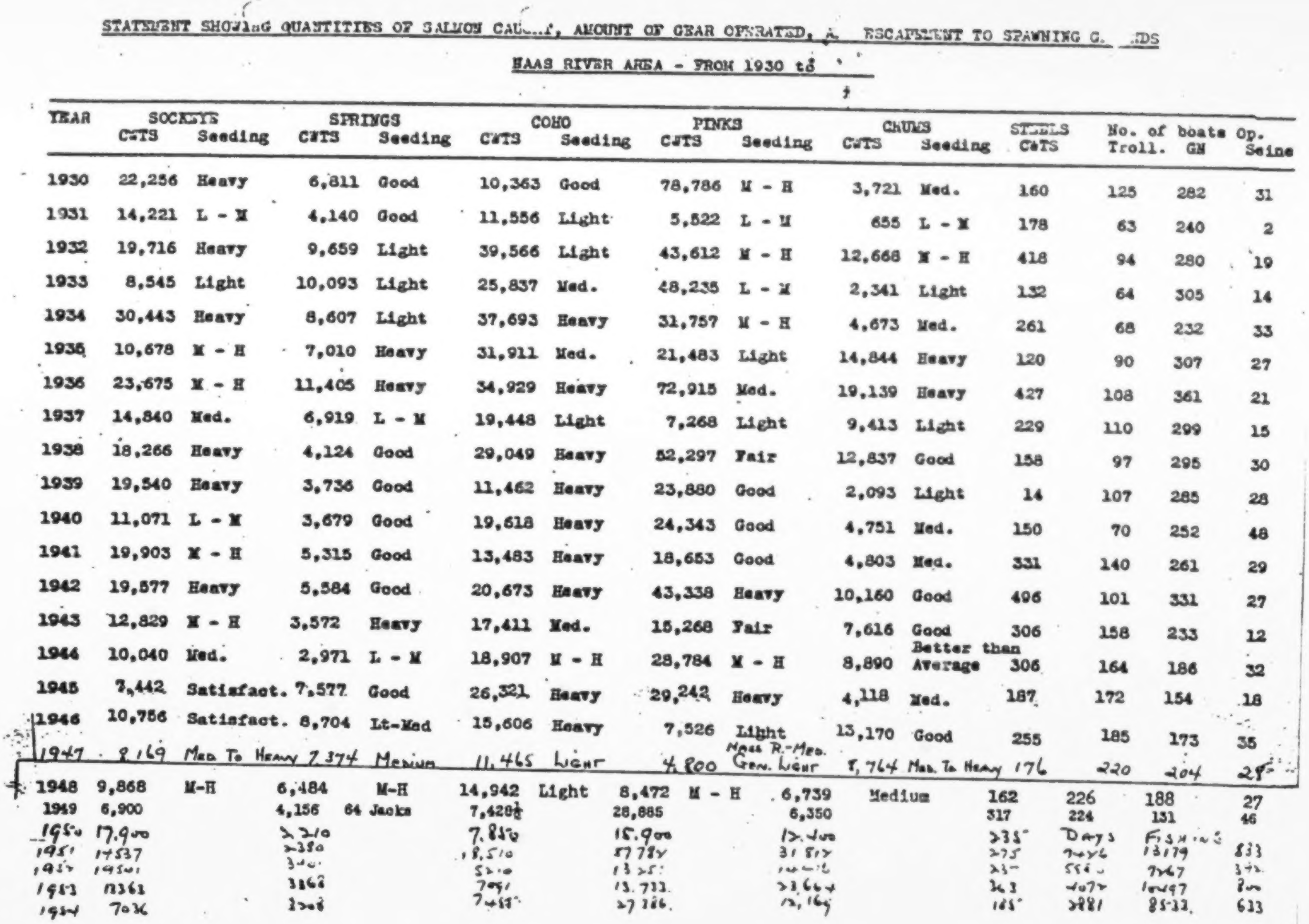
Salmon ~~Department~~

~~Office at~~ Canned 19

DATE		NAME		TIME			Area Totals	
Area	No.	District 1			Cases	Value	Cases	Value
Fraser R. & H.S.	1	Imperial	B.C Packers		67.955 ✓	416.717	✓	
"	2	Home	Can Fishy Co		71.297 ✓	348.955	✓	
"	4	Colonial	Colonial Can		32.947 ✓	184.033	✓	
"	5	Gt West	Gt West Pkg Co		11.605 ✓ ~~11.907~~	90.575	✓	
"	6	Glenrose	Johnston F.P.		18.390 ✓	113.022	✓	
"	8	St Mungo	Nelson Bros		43.693 ✓	256.202	✓	
"	9	Gt Northern	Ocean Cans		23.292	140.717	✓	
"	11	Bidwell	Q.Charlotte F.		41.866 ✓	200.604	✓	
"	7	Mark Gosse	Mk Gosse F.		7.424 ✓	31.518	✓	
"	10	Harlock	Pacific S Cans		5.072 ✓ ~~4.750~~	24.384	✓	
		10			64 323.541	1.796.730	323.541	1.796.730
		District 3						
C.Scott to T.A.	64	Knight Inlet	A.B.C Pkg Co		59.182 ✓	265.096		
"	65	Alert Bay BCP	~~Can Fishg Co~~		28.299 ✓	114.651		
"	66	Bones Bay CFC	~~B.C Packers~~		31.312 ✓	119.196 ✓	118.793	498.943
Vancouver I. to Stuart	70	Quathiaski	Quath Cng Co		23.739 ✓	132.159	23.939	132.159
Neck Pt to C.F.	72	Deep Bay	Deep Bay Pkg Co		22.550 ✓	89.879	22.650	89.879
Sh. Hb. to S. Pt	89	Empire	J.H Todd & Sons		28.294 ✓	228.554	28.294	228.554
Barclay to P.A.	94	Kildonan	B.C.Packers		30.281 ✓	148.888		
"	93	Alberni	B.C Empire S.C		9.765 ✓	44.515 ✓	40.046	193.403
Uck Bay to Est Pt	99	Clayoquot	Clay: SD Cg Co		7.189 ✓	36.545 ✓	7.189	36.545
Est Pt to Tahsis	106	Nootka	Nootka Pkg Co		23.551 ✓	99.481	23.551	99.481
		19						
		Total District 3			264.162	1.278.964	264.162	1.278.964

Canned Salmon Values	Cs.	Value $
District 1	64 323 541	1.796 730
" 2	677.046	4 352 429
" 3	264.162	1 278 964
Total B.C.	1.265.049 72	7.428,123

Table F11 Salmon landings for the Skeena River area from DMF Prince Rupert files. Tables such as these were contained in a folder titled "Statement Showing Quantities of Salmon Caught, Amount of Gear Operated, and Escapement to Spawning Grounds – by Areas" from archive files at the Prince Rupert office.



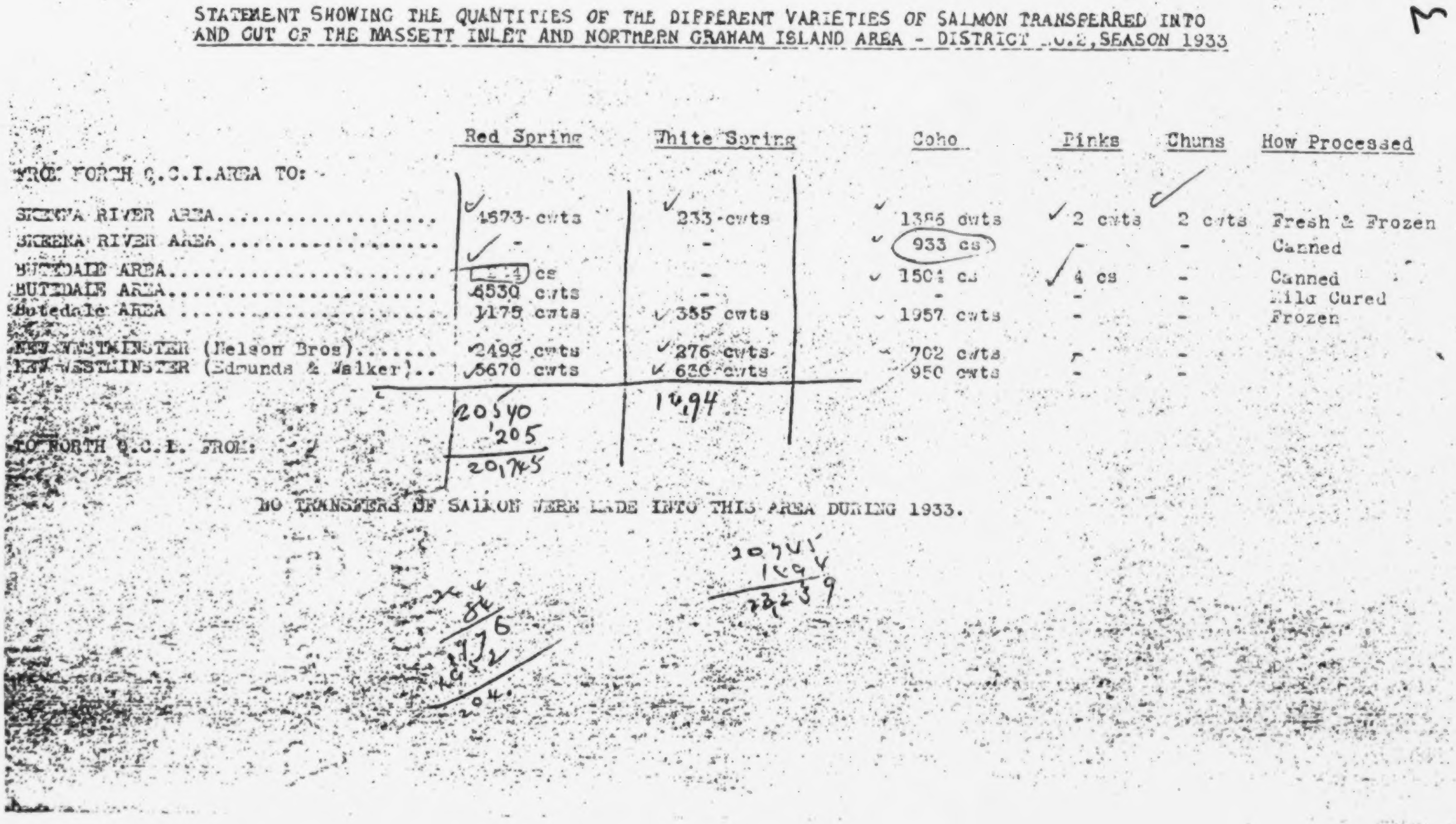
STATEMENT SHOWING QUANTITIES OF SALMON CAU[illegible], AMOUNT OF GEAR OPERATED, A[illegible] ESCAPEMENT TO SPAWNING G[illegible]DS

NAAS RIVER AREA - FROM 1930 to

YEAR	SOCKEYE CWTS	SOCKEYE Seeding	SPRINGS CWTS	SPRINGS Seeding	COHO CWTS	COHO Seeding	PINKS CWTS	PINKS Seeding	CHUMS CWTS	CHUMS Seeding	STEELS CWTS	No. of boats Troll.	No. of boats GN	Op. Seine
1930	22,256	Heavy	6,811	Good	10,363	Good	78,786	M - H	3,721	Med.	160	125	282	31
1931	14,221	L - M	4,140	Good	11,556	Light	5,522	L - M	655	L - M	178	63	240	2
1932	19,716	Heavy	9,659	Light	39,566	Light	43,612	M - H	12,668	M - H	418	94	280	19
1933	8,545	Light	10,093	Light	25,837	Med.	48,235	L - M	2,341	Light	132	64	305	14
1934	30,443	Heavy	8,607	Light	37,693	Heavy	31,757	M - H	4,673	Med.	261	68	232	33
1935	10,678	M - H	7,010	Heavy	31,911	Med.	21,483	Light	14,844	Heavy	120	90	307	27
1936	23,675	M - H	11,405	Heavy	34,929	Heavy	72,915	Med.	19,139	Heavy	427	108	361	21
1937	14,840	Med.	6,919	L - M	19,448	Light	7,268	Light	9,413	Light	229	110	299	15
1938	18,266	Heavy	4,124	Good	29,049	Heavy	52,297	Fair	12,837	Good	158	97	295	30
1939	19,540	Heavy	3,736	Good	11,462	Heavy	23,880	Good	2,093	Light	14	107	285	28
1940	11,071	L - M	3,679	Good	19,618	Heavy	24,343	Good	4,751	Med.	150	70	252	48
1941	19,903	M - H	5,315	Good	13,483	Heavy	18,653	Good	4,803	Med.	331	140	261	29
1942	19,577	Heavy	5,584	Good	20,673	Heavy	43,338	Heavy	10,160	Good	496	101	331	27
1943	12,829	M - H	3,572	Heavy	17,411	Med.	15,268	Fair	7,616	Good	306	158	233	12
1944	10,040	Med.	2,971	L - M	18,907	M - H	28,784	M - H	8,890	Better than Average	306	164	186	32
1945	7,442	Satisfact.	7,577	Good	26,321	Heavy	29,242	Heavy	4,118	Med.	187	172	154	18
1946	10,756	Satisfact.	8,704	Lt-Med	15,606	Heavy	7,526	Light	13,170	Good	255	185	173	35
1947	8,169	Med To Heavy	7,374	Medium	11,465	Light	4,800	Naas R.-Med. Gen. Light	8,764	Med. To Heavy	176	220	204	28
1948	9,868	M-H	6,484	M-H	14,942	Light	8,472	M - H	6,739	Medium	162	226	188	27
1949	6,900		4,156	64 Jacks	7,428½		28,885		6,350		317	224	131	46
1950	17,900		2,210		7,850		15,900		12,400		235	Days	Fishing	
1951	14537		2380		8,510		57784		31 812		275	7426	13179	833
1952	19501		3400		5200		13251		[illegible]		230	5560	7267	372
1953	13361		3162		7051		13.733		23,664		263	4072	10497	800
1954	7036		3208		7411		27 186.		12,169		185	2881	8533	633

Table F12. Copies of DMF worksheets containing data used to calculate salmon transfers amongst District II areas in 1933. Continued.

22



STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE MASSETT INLET AND NORTHERN GRAHAM ISLAND AREA - DISTRICT NO.2, SEASON 1933

FROM NORTH Q.C.I.AREA TO:	Red Spring	White Spring	Coho	Pinks	Chums	How Processed
SKEENA RIVER AREA....................	✓ 4573 cwts	✓ 233 cwts	✓ 1385 cwts	✓ 2 cwts	✓ 2 cwts	Fresh & Frozen
SKEENA RIVER AREA....................	✓ -	-	✓ 933 cs	-	-	Canned
BUTEDALE AREA........................	[illegible] cs	-	✓ 1504 cs	✓ 4 cs	-	Canned
BUTEDALE AREA........................	4530 cwts	-	-	-	-	Mild Cured
Butedale AREA	1175 cwts	✓ 355 cwts	✓ 1957 cwts	-	-	Frozen
NEW WESTMINSTER (Nelson Bros).......	✓ 2492 cwts	✓ 276 cwts	✓ 702 cwts	-	-	
NEW WESTMINSTER (Edmunds & Walker)..	✓ 5670 cwts	✓ 630 cwts	✓ 950 cwts	-	-	
	20540 205 20,745	14,94				

TO NORTH Q.C.I. FROM:

NO TRANSFERS OF SALMON WERE MADE INTO THIS AREA DURING 1933.

20745
1494
22,239

84
776
1652
204.

521

34

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE SOUTH Q.C.I. AREA.................................SEASON 1933

	RED SPRING	COHO	CHUMS	HOW PROCESSED
FROM SOUTH Q.C.I. AREA TO:				
SKEENA RIVER AREA........................	--	412 cwts	--	Fresh & frozen
SKEENA RIVER AREA	--	2 cs	2095 cs	Canned
BUTEDALE AREA	3 cwts	178 cwts		Frozen
BELLA BELLA AREA	--	228 cs	24497 cs	Canned
VANCOUVER (per Bruce No.1 & B & Y)......		267 cwts		--
VANCOUVER (Bidwell St. Cannery).........		2 cwts	1150 cwts	--

TO SOUTH Q.C.I. AREA FROM:

NO TRANSFERS OF SALMON WERE MADE INTO THE ABOVE AREA DURING 1933.

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE NAAS RIVER AREA.....................................SEASON 1933

FROM NAAS AREA TO:	SOCKEYE	RED SP.	WHITE SP.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
SKEENA RIVER AREA..	+ 407 cs ✓	✓ + 36 cs	✓ + 30 cs	✓ + 14868 cs	✓ + 13100 cs	✓ + 1003 cs	✓ 65 cs	CANNED
SKEENA RIVER AREA..	–	✓ 4253 cwts	✓ 729 cwts	✓ 8696 cwts	✓ 15 cwts	✓ 8 cwts	36 cwts	FRESH & FROZEN
BUTEDALE AREA......	+ 9 cs ✓	+ 93 cs	–	✓ 897 cs	–	–	–	CANNED
BUTEDALE AREA......	–	✓ 790 cwts	✓ 610 cwts	✓ 1167 cwts	–	–	–	FROZEN
BUTEDALE AREA......	–	✓ 2489 cwts	–		–	–	–	MILD CURED

TO NAAS AREA FROM: NO TRANSFERS OF SALMON WERE MADE INTO THE NAAS RIVER AREA DURING 1933.

Total Shipped out and Canned	416 Sockeye	129 R Spg	30 Wh. Spg	15.765 Cohoe	13.100 Pinks	1.003 Chums	65 Stlhds.

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE SKEENA RIVER AREA ....SEASON 1933

FROM SKEENA AREA TO....	SOCKEYE	RED SPRING	WHTE SPR.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
VANCOUVER (Nelson Bros).	41 cwts	3542 cwts	530 cwts	5 cwts	-	-	-	Canned
VANCOUVER (Col.Pkrs)....	420 cwts	-	-	-	350 cwts	-	-	Canned
	461	3542	530	5	350			
TO SKEENA AREA FROM.....								
NAAS AREA..............	407 cs	36 cs	30 cs	14868 cs	13100 cs	1003 cs	65 cs	CANNED
NAAS AREA..............	-	4253 cwts	729 cwts	8696 cwts	15 cwts	8 cwts	36 cwts	F & F.
LOWE INLET AREA.........	1864 cs	1 cs	-	1454 cs	2186 cs	737 cs	1 cs	CANNED
BUTEDALE AREA...........	1091 cs	-	-	1279 cs	981 cs	909 cs	-	CANNED
Q.C.I.AREA SOUTH........	-	-	-	412 cwts	-	-	-	F & F
Q.C.I.AREA SOUTH........	-	-	-	2 cs	[illegible]	2096 cs	-	CANNED
Q.C.I.AREA NORTH........	-	4673 cwts	233 cwts	1386 cwts	2 cwts	2 cwts	-	F & F
Q.C.I.AREA NORTH	-	-	-	933 cs	-	-	-	CANNED
Dist.No.3 (Alert Bay)...	-	48 cwts	9 cwts	1014 cwts	1 cwt	2531 cwts	-	F & F
ALASKA..................	-	570 cwts	367 cwts	2500 cwts	-	14 cwts	-	F & F
To Vancouver (Cases Canned).	549 ~~387~~	4.216 ~~2.995~~	631 ~~446~~	6 ~~7~~	416 ~~291~~			Totals ~~4,105~~ 5,818
Total Shipped In	3862	37	30	18,336	16,267	4.744	66.	43,042
Balance In	~~2,995~~ 2,818			18532	~~15,973~~ 15,851	4.744	66	42,004 ~~43,290~~
Balance Out		~~2,936~~ 4.179	~~445~~ 601					~~3,353~~ 4.780

~~38,937~~
37,224
~~38,937~~

524

Table F12. Continued.

STATEMENT SHOWING THE TRANSFERS OF SALMON INTO AND OUT OF THE GRENVILLE-PRINCIPE AREA - DISTRICT NO. 2.........SEASON 1933

	SOCKEYE	RED SP.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
FROM GRENVILLE PRINCIPE AREA TO:							
SKEENA RIVER AREA	1964 cs	1 cs	1454 cs	2186 cs	737 cs	1 cs	CANNED
TO GRENVILLE PRINCIPE AREA FROM:							
BUTEDALE AREA....................	43 cs	-	1015 cs	1393 cs	1086 cs	-	CANNED

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE BUTEDALE AREA .... SEASON 1933

	SOCKEYE	RED SP.	WHITE SP.	COHO	PINKS	CHUMS	HOW PROCESSED
TO BUTEDALE AREA FROM......							
NAAS RIVER AREA	9 cs	97 cs	-	897 cs	-	-	CANNED
NAAS RIVER AREA	-	2489 cwts	-	-	-	-	MILD CURED *
NAAS RIVER AREA.............	-	790 cwts	610 cwts	1167 cwts	-	-	FROZEN
BELLA BELLA AREA............	4 cs	12 cs	-	1369 cs.	6 cs	1614 cs	CANNED
BELLA BELLA AREA............	-	715 cwts	-	-	-	-	MILD CURED *
BELLA BELLA AREA............	-	152 cwts	91 cwts	1720 cwts	-	-	FROZEN
NORTH Q.C.I.AREA............	-	244 cs	-	1504 cs	4 cs	-	CANNED
NORTH Q.C.I.AREA............	-	5530 cwts	-	-	-	-	MILD CURED
NORTH Q.C.I.AREA............	-	1175 cwts	355 cwts	1957 cwts	-	-	FROZEN
SOUTH Q.C.I.AREA............	-	3 cwts	-	178 cwts	-	-	FROZEN
From BUTEDALE AREA ~~FROM~~: To...							
RIVERS INLET AREA...........	✓585 cs	-	-	✓417 cs	✓2891 cs	✓203 cs	CANNED
BELLA BELLA AREA............	✓69 cs	-	-	✓2276 cs	✓489 cs	✓1406 cs	CANNED
SKEENA RIVER AREA...........	✓1091 cs	-	-	✓1279 cs	✓981 cs	✓909 cs	CANNED
LOWE INLET AREA.............	✓43 cs	-	-	✓1015 cs	✓1393 cs	✓1086 cs	CANNED

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE BELLA BELLA AREA ....SEASON 1933

	SOCKEYE	RED SP.	WHITE SP.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
FROM BELLA BELLA AREA TO:								
BUTEDALE AREA........................	✓ 4 cs	✓ 42 cs	-	✓ 1368 cs	✓ 6 cs	✓ 1814 cs	✓ -	CANNED
SMITHS INLET AREA....................	✓ 92 cs	✓ 6 cs	-	✓ 349 cs	✓ 10799 cs	✓ 2962 cs	22 cs	CANNED
RIVERS INLET AREA....................	✓ 617 cs	✓ 7 cs	✓ 3 cs	✓ 92 cs	✓ 2 cs	✓ 3 cs	-	CANNED
BELLA COOLA AREA.....................	✓ 1107 cs	✓ 22 cs	✓ 9 cs	✓ 93 cs	✓ 2147 cs	✓ 778 cs	✓ 116 cs	CANNED
VANCOUVER (Millerd)..................	✓ 12 cs	✓ 6 cs	-	✓ 278. cs	✓ 4051 cs	✓ 2621 cs	-	CANNED
VANCOUVER (Nelson Bros.).............	✓ 2 cs	✓ 10 cs	-	✓ 1200 cs	✓ 2250 cs	475 cs	-	CANNED
BUTEDALE AREA........................	-	✓ 715 cwts	-	-	-	-	-	MILD CURED
VANCOUVER (Nelson Bros.).............	-	✓ 749 cwts	-	✓ -	-	-	-	MILD CURED
BUTEDALE AREA........................	-	✓ 158 cwts	✓ 91 cwts	1720 cwts	-	-	-	FROZEN
VANCOUVER (Nelson Bros)..............	-	-	✓ 109 cwts	-	-			FROZEN
TO BELLA BELLA AREA FROM:								
BUTEDALE AREA........................	69 cs	-	-	2278 cs	489 cs	1406 cs	-	CANNED
RIVERS INLET AREA....................	475 cs	160 cs.	6 cs	2755 cs	466 cs	4989 cs	4 cs	CANNED
SMITHS INLET AREA....................	377 cs	-	-	182 cs	265 cs	2566 cs	-	CANNED
BELLA COOLA AREA	748 cs	-	-	447 cs	✓ 9309 cs	242 cs	95 cs	CANNED
SOUTH Q.C.I.AREA.....................	-	-	-	228 cs	-	24497 cs	-	CANNED
SEYMOUR INLET AREA...................	-	-	-	223 cs	-	261 cs	-	CANNED

1*

To Vancouver = 10.905 C/s
= 9.160 cwts green
Add 858 cwts
= 10.018 cwts total green
equal to Vanc.

749
109
858

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE BELLA COOLA AREA ....SEASON 1933

	Sockeye cs	Red Spring cs	White Spring cs	Coho cs	Pinks cs	Chums cs	Steels cs	How Processed
FROM BELLA COOLA AREA TO:								
BELLA BELLA AREA...............	✓718	-	-	✓447	✓9309	✓242	✓95	CANNED
SMITHS INLET AREA............	-	-	-	✓129	✓475	✓3030	-	CANNED
BIDWELL ST.CANNERY, VANC'R...	✓5	-	-	✓88	✓665	✓521	-	CANNED
TO BELLA COOLA AREA FROM:								
BELLA BELLA AREA.............	1107	22	9	93	2447	778	116	CANNED

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE RIVERS INLET AREA...SEASON 1933

	Sockeye	Red sp	White sp.	Coho	Pinks	Chums	Steels	How Processed
FROM RIVERS INLET AREA TO:								
SMITHS INLET AREA..............	✓179 cs	✓93 cs	✓15 cs	✓1769 cs	✓1257 cs	✓348 cs	✓16 cs	CANNED
BELLA BELLA AREA...............	✓475 cs	✓160 cs	✓6 cs	✓2755 cs	✓466 cs	✓4989 cs	✓4 cs	CANNED
VANCOUVER (Col.Packers)........	✓1566 cs	✓6 cs	-	✓13 cs	✓35 cs	✓5 cs	✓2 cs	CANNED
VANCOUVER (Johnston Pkrs)......	✓1827 cs	✓1 cs	-	✓1 cs	✓-	✓1 cs	-	CANNED
VANCOUVER (Millerd)	✓2203 cs	✓1 cs	-	✓5 cs	✓7 cs	✓2 cs	-	CANNED
	13,250	261	21	4,543	1.765	5345	22	25,207 Total
TO RIVERS INLET FROM:								
BELLA BELLA AREA...............	617 cs	7 cs	3 cs	92 cs	2 cs	3 cs	-	CANNED
BUTEDALE AREA..................	585 cs	-	-	417 cs	2891 cs	203 cs	-	CANNED
SMITHS INLET AREA..............	1721 cs	-	-	-	-	-	-	CANNED
	2923	7	3	509	2893	206		6.541
Balance Shipped out	10.327	254	18	4034		5139	22	19.794
Balance Shipped In.					1.128			1.128

To Vancouver 5.675 cs
4767 Cwts

25.207
6541
18.666
1129

~~25.767~~
~~19.794~~
~~46.001~~

~~25.767~~
~~6.541~~
~~31.7[illegible]~~
~~1.128~~
30.620

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE SMITHS INLET AREA......................................SEASON 1933

	Sockeye	Red Sp.	White Sp.	Coho	Pinks	Chums	Steels	How Processed
FROM SMITHS INLET AREA TO:								
BELLA BELLA AREA..........	✓ 377 cs	-	-	✓ 182 cs	✓ 265 cs	✓ 2566 cs	-	CANNED
~~SMITHS~~ INLET AREA.........	✓ 1721 cs	-	-	-	-	-	-	CANNED
VANCOUVER (Millerd).......	✓ 297 cs	-	-	-	-	-	-	CANNED
VANCOUVER (Johnston Pkrs)..	✓ 54 cs	-	-	-	-	-	-	CANNED
Sum	2449			182	265	2.566		5.462
TO SMITHS INLET AREA FROM:								
RIVERS INLET AREA.........	7179 cs	93 cs	15 cs	1769 cs	1257 cs	348 cs	16 cs	CANNED
BELLA BELLA AREA..........	92 cs	6 cs	-	349 cs	10799 cs	2962 cs	22 cs	CANNED
BELLA COOLA AREA..........	-	-	-	129 cs	✓ 475 cs	3030 cs	-	CANNED
SEYMOUR INLET AREA........	✓ 2 cs	3 ✓ cs	1 cs	1405 cs	2 cs	1951 cs	-	CANNED
	7273	102	16	3652	12533	8291	38	31,905
Balance Shipped For	4.824	102	16	3470	12,268	5,725	38	26,443

To Vancouver 351 C/S

294

Table F13. Transfers of sockeye (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:												
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
6	South Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
7	The Naas River	-	-	-	-	342	-	8	-	-	-	-	350	(350)
8	Skeena River and Prince Rupert	461	-	-	-	-	-	-	-	-	-	-	461	2,363
9	Grenville-Principe area	-	-	-	-	1,566	-	-	-	-	-	-	1,566	(1,530)
10	Butedale incl. Gardiner Canal	-	-	-	-	916	36	-	58	-	491	-	1,501	(1,491)
11	Bella Bella and Fitzhugh Sound	12	-	-	-	-	-	3	-	930	518	77	1,540	(138)
12	Bella Coola, Dean, Burke Chan.	4	-	-	-	-	-	-	628	-	-	-	632	298
13	Rivers Inlet	4,701	-	-	-	-	-	-	399	-	-	6,030	11,130	(8,675)
14	Smiths Inlet	295	-	-	-	-	-	-	317	-	1,446	-	2,058	4,051
17	Cape Scott to Tuna Point	-	-	-	-	-	-	-	-	-	-	2	2	(2)
	Alaska	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	5,473	-	-	-	2,824	36	11	1,402	930	2,455	6,109		

[a] Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F14. Transfers of pink salmon (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:												
DBS Area No.	Area Name	3	5	6	7	8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	-	-	-	-	2	-	3	-	-	-	-	5	(5)
6	South Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
7	The Naas River	-	-	-	-	11,019	-	-	-	-	-	-	11,019	(11,019)
8	Skeena River and Prince Rupert	350	-	-	-	-	-	-	-	-	-	-	350	13,332
9	Grenville-Principe area	-	-	-	-	1,836	-	-	-	-	-	-	1,836	(666)
10	Butedale incl. Gardiner Canal	-	-	-	-	824	1,170	-	411	-	2,428	-	4,833	(4,825)
11	Bella Bella and Fitzhugh Sound	5,293	-	-	-	-	-	5	-	2,055	2	9,071	16,426	(7,581)
12	Bella Coola, Dean, Burke Chan.	559	-	-	-	-	-	-	7,820	-	-	399	8,778	(6,723)
13	Rivers Inlet	35	-	-	-	-	-	-	391	-	-	1,056	1,482	948
14	Smiths Inlet	-	-	-	-	-	-	-	223	-	-	-	223	10,305
17	Cape Scott to Tuna Point	-	-	-	-	1	-	-	-	-	-	2	3	(3)
	Alaska	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	6,237	-	-	-	13,682	1,170	8	8,845	2,055	2,430	10,528		

[a] Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F15. Transfers of chum salmon (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:												
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	-	-	-	-	2	-	-	-	-	-	-	2	(2)
6	South Queen Charlotte Islands	1,150	-	-	-	1,760	-	-	20,577	-	-	-	23,487	(23,487)
7	The Naas River	-	-	-	-	851	-	-	-	-	-	-	851	(851)
8	Skeena River and Prince Rupert	-	-	-	-	-	-	-	-	-	-	-	-	6,541
9	Grenville-Principe area	-	-	-	-	619	-	-	-	-	-	-	619	293
10	Butedale incl. Gardiner Canal	-	-	-	-	764	912	-	1,181	-	171	-	3,028	(1,504)
11	Bella Bella and Fitzhugh Sound	2,601	-	-	-	-	-	1,524	-	654	3	2,488	7,270	21,256
12	Bella Coola, Dean, Burke Chan.	438	-	-	-	-	-	-	203	-	-	2,545	3,186	(2,533)
13	Rivers Inlet	7	-	-	-	-	-	-	4,191	-	-	292	4,490	(4,317)
14	Smiths Inlet	-	-	-	-	-	-	-	2,155	-	-	-	2,155	4,809
17	Cape Scott to Tuna Point	-	-	-	-	2,531	-	-	219	-	-	1,639	4,389	(4,389)
	Alaska	-	-	-	-	14	-	-	-	-	-	-	14	(14)
	Total	4,196	-	-	-	6,541	912	1,524	28,526	654	174	6,964		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F16. Transfers of coho salmon (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:												
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	1,652	-	-	-	2,170	-	3,220	-	-	-	-	7,042	(7,042)
6	South Queen Charlotte Islands	269	-	-	-	414	-	178	192	-	-	-	1,053	(1,053)
7	The Naas River	-	-	-	-	21,185	-	1,920	-	-	-	-	23,105	(23,105)
8	Skeena River and Prince Rupert	5	-	-	-	-	-	-	-	-	-	-	5	29,573
9	Grenville-Principe area	-	-	-	-	1,221	-	-	-	-	-	-	1,221	(368)
10	Butedale incl. Gardiner Canal	-	-	-	-	1,074	853	-	1,914	-	350	-	4,191	3,996
11	Bella Bella and Fitzhugh Sound	1,242	-	-	-	-	-	2,869	-	78	77	293	4,559	576
12	Bella Coola, Dean, Burke Chan.	74	-	-	-	-	-	-	375	-	-	108	557	(479)
13	Rivers Inlet	16	-	-	-	-	-	-	2,314	-	-	1,486	3,816	(3,389)
14	Smiths Inlet	-	-	-	-	-	-	-	153	-	-	-	153	2,914
17	Cape Scott to Tuna Point	-	-	-	-	1,014	-	-	187	-	-	1,180	2,381	2,381
	Alaska	-	-	-	-	2,500	-	-	-	-	-	-	2,500	(2,500)
	Total	3,258	-	-	-	29,578	853	8,187	5,135	78	427	3,067		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F17. Transfers of chinook salmon (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:												
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	9,068	-	-	-	4,906	-	8,265	-	-	-	-	22,239	(22,239)
6	South Queen Charlotte Islands	-	-	-	-	-	-	3	-	-	-	-	3	(3)
7	The Naas River	-	-	-	-	5,037	-	3,967	-	-	-	-	9,004	(9,004)
8	Skeena River and Prince Rupert	4,072	-	-	-	-	-	-	-	-	-	-	4,072	6,866
9	Grenville-Principe area	-	-	-	-	1	-	-	-	-	-	-	1	(1)
10	Butedale incl. Gardiner Canal	-	-	-	-	-	-	-	-	-	-	-	-	13,234
11	Bella Bella and Fitzhugh Sound	871	-	-	-	-	-	999	-	26	8	5	1,909	(1,770)
12	Bella Coola, Dean, Burke Chan.	-	-	-	-	-	-	-	-	-	-	-	-	26
13	Rivers Inlet	7	-	-	-	-	-	-	139	-	-	91	237	(229)
14	Smiths Inlet	-	-	-	-	-	-	-	-	-	-	-	-	99
17	Cape Scott to Tuna Point	-	-	-	-	57	-	-	-	-	-	3	60	(60)
	Alaska	-	-	-	-	937	-	-	-	-	-	-	937	(937)
	Total	14,018	-	-	-	10,938	-	13,234	139	26	8	99		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F18. Transfers of steelhead (cwt) in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:												
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
6	South Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
7	The Naas River	-	-	-	-	91	-	-	-	-	-	-	91	(91)
8	Skeena River and Prince Rupert	-	-	-	-	-	-	-	-	-	-	-	-	92
9	Grenville-Principe area	-	-	-	-	1	-	-	-	-	-	-	1	(1)
10	Butedale incl. Gardiner Canal	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Bella Bella and Fitzhugh Sound	-	-	-	-	-	-	-	-	97	-	18	115	(32)
12	Bella Coola, Dean, Burke Chan.	-	-	-	-	-	-	-	80	-	-	-	80	17
13	Rivers Inlet	2	-	-	-	-	-	-	3	-	-	13	18	(18)
14	Smiths Inlet	-	-	-	-	-	-	-	-	-	-	-	-	31
17	Cape Scott to Tuna Point	-	-	-	-	-	-	-	-	-	-	-	-	-
	Alaska	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	2	-	-	-	92	-	-	83	97	-	31		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F19. Summary and comparison of results from transfer analyses using primary data from the Federal Record Centre archive records (A, B, C) and from the Prince Rupert tables (D) for salmon landings in District II, 1933.

Area No.	Area Name	GLW (cwt)						
		Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
A. Green Landed Weight from Canned Pack/Product Data (Table F4 part b)								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	-	-	-	-	-	0
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	-	19,055	-	-	-	19,055
7	The Naas River	8,196	37,217	1,491	2,731	1,089	41	50,765
8	Skeena River, including Prince Rupert and Upper Skeena	25,629	80,532	16,732	49,571	23,819	3,301	199,584 [a]
9	Grenville-Principe area	2,368	10,450	3,844	7,563	-	-	24,225
10	Butedale including Gardiner Canal	1,103	12,643	22,300	11,341	13,378	3	60,768 [b]
11	Bella Bella and Fitzhugh Sound	8,723	19,722	70,711	9,061	181	207	108,605
12	Bella Coola, Dean and Burke Channels	9,736	32,977	8,102	4,348	124	487	55,774
13	Rivers Inlet	64,660	4,260	569	2,895	367	69	72,820
14	Smiths Inlet	31,138	16,796	7,426	4,257	297	73	59,987
	Total	151,553	214,597	150,230	91,767	39,255	4,181	651,583
B. GLW Transfers Into/(Out) of Each Area (Tables F13 - F18)								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	(5)	(2)	(7,042)	(22,239)	-	(29,288)
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	-	(23,487)	(1,053)	(3)	-	(24,543)
7	The Naas River	(350)	(11,019)	(851)	(23,105)	(9,004)	(91)	(44,420)
8	Skeena River, including Prince Rupert and Upper Skeena	2,363	13,332	6,541	29,573	6,866	93	58,768
9	Grenville-Principe area	(1,530)	(666)	293	(368)	(1)	(1)	(2,273)
10	Butedale including Gardiner Canal	(1,491)	(4,825)	(1,504)	3,996	13,234	-	9,410
11	Bella Bella and Fitzhugh Sound	(138)	(7,581)	21,256	576	(1,770)	(32)	12,311
12	Bella Coola, Dean and Burke Channels	298	(6,723)	(2,533)	(479)	26	17	(9,394)
13	Rivers Inlet	(8,675)	948	(4,317)	(3,389)	(229)	(18)	(15,680)
14	Smiths Inlet	4,051	10,305	4,809	2,914	99	31	22,209
	Total	(5,472)	(6,234)	205	1,623	(13,021)	(1)	(22,900)

Table F19. Continued.

Area No.	Area Name	GLW (cwt)						
		Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
C. Calculated Green Landed Weight, Corrected for Transfers (A-B)								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	0	5	2	7,042	22,239	0	29,288
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	0	0	42,542	1,052	3	0	43,597
7	The Naas River	8,545	48,236	2,342	25,837	10,094	132	95,186
8	Skeena River, including Prince Rupert and Upper Skeena	23,266	67,200	10,192	19,998	16,953	3,210	140,819
9	Grenville-Principe area	3,898	11,116	3,551	7,932	1	1	26,499
10	Butedale including Gardiner Canal	2,594	17,468	23,804	7,344	144	3	51,357
11	Bella Bella and Fitzhugh Sound	8,861	27,304	49,452	8,485	1,952	240	96,294
12	Bella Coola, Dean and Burke Channels	9,439	39,699	10,635	4,828	98	469	65,168
13	Rivers Inlet	73,335	3,312	4,886	6,284	595	87	88,499
14	Smiths Inlet	27,085	6,491	2,617	1,342	198	41	37,774
	Total	157,023	220,831	150,023	90,144	52,277	4,183	674,481
D. Green Landed Weights from Prince Rupert Tables								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	0	5	2	7,191	22,239	0	29,437
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	0	0	42,542	1,052	3	0	43,597
7	The Naas River	8,545	48,235	2,341	25,837	10,093	132	95,183
8	Skeena River, including Prince Rupert and Upper Skeena	23,266	67,277	10,192	19,887	15,536	3210	139,368
9	Grenville-Principe area	3,897	11,115	3,551	7,932	1	1	26,497
10	Butedale including Gardiner Canal	2,470	16,636	22,271	7,023	251	3	48,654
11	Bella Bella and Fitzhugh Sound	8,862	27,301	49,453	8,485	1,952	240	96,293
12	Bella Coola, Dean and Burke Channels	9,438	39,699	10,634	4,828	98	469	65,166
13	Rivers Inlet	73,350	3,300	4,879	6,280	601	87	88,497
14	Smiths Inlet	27,086	6,491	2,617	1,342	198	41	37,775
	Total	156,914	220,059	148,482	89,857	50,972	4,183	670,467

a. 19 cwt of fresh/frozen salmon prepared by fishermen excluded because species composition was unknown.

b. 196 cwt of salmon bait excluded because species composition was unknown.

Table F20. District II GLWs from DMF Prince Rupert archive tables divided by calculated GLWs from the transfer analysis, 1933.[a]

Area No.	Area Name	GLW (cwt)						
		Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	1.0000	1.0000	1.0000	1.0212	1.0000	1.0000	1.0051
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
7	The Naas River	1.0000	1.0000	0.9996	1.0000	0.9999	0.9988	1.0000
8	Skeena River, including Prince Rupert and Upper Skeena	1.0000	1.0012	1.0000	0.9944	0.9164	0.9999	0.9897
9	Grenville-Principe area	0.9998	0.9999	1.0000	1.0000	1.0000	1.0000	0.9999
10	Butedale including Gardiner Canal	0.9522	0.9524	0.9356	0.9563	1.7409	1.0000	0.9474
11	Bella Bella and Fitzhugh Sound	1.0001	0.9999	1.0000	1.0000	0.9998	0.9980	1.0000
12	Bella Coola, Dean and Burke Channels	0.9999	1.0000	0.9999	1.0000	0.9967	0.9996	1.0000
13	Rivers Inlet	1.0002	0.9965	0.9986	0.9994	1.0099	1.0014	1.0000
14	Smiths Inlet	1.0000	1.0000	0.9998	0.9999	0.9982	0.9981	1.0000
	Total	0.9993	0.9965	0.9897	0.9968	0.9750	1.0000	0.9940

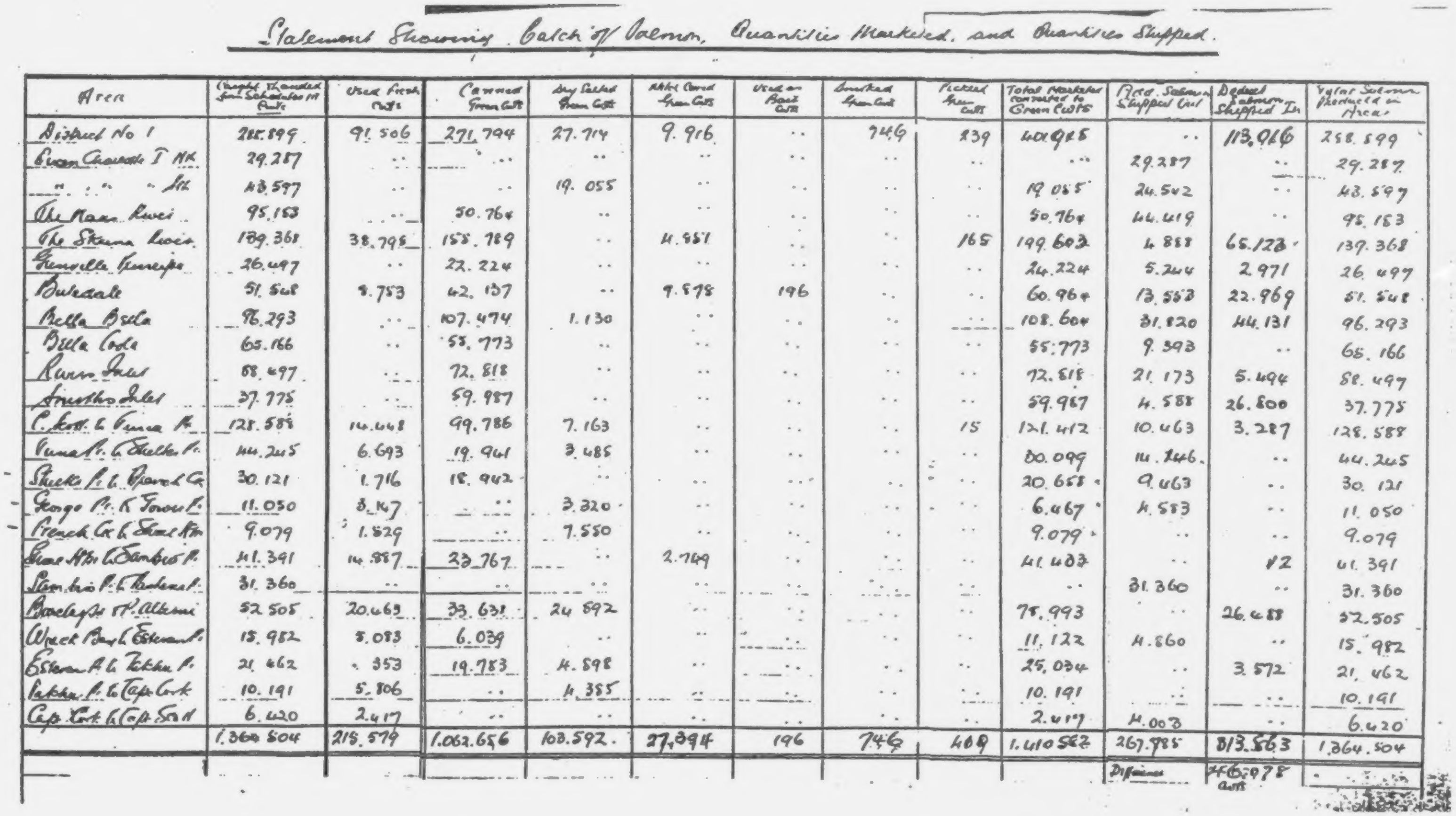
a. DMF GLW and calculated GLW from Table F19.

Table F21. Comparison of GLW data (in cwt) for 1933 from the DBS report, DMF Schedules and the authors' transfer analysis[a]

Area No.			1	2	3	4	5
DBS	DFO	Area Name	DBS	DMF Schedules	1-2	Transfer Analysis	1-4
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	29,287	29,287	0	29,288	-1
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	43,597	43,597	0	43,597	0
7	3	The Naas River	95,183	95,183	0	95,186	-3
8	4	Skeena River, including Prince Rupert and Upper Skeen	139,368	139,368	0	140,819	-1,451
9	5	Grenville-Principe area	26,497	26,497	0	26,499	-2
10	6	Butedale including Gardiner Canal	51,548	51,548	0	51,357	191
11	7	Bella Bella and Fitzhugh Sound	96,293	96,293	0	96,294	-1
12	8	Bella Coola, Dean and Burke Channels	65,166	65,166	0	65,168	-2
13	9	Rivers Inlet	88,497	88,497	0	88,499	-2
14	10	Smiths Inlet	37,775	37,775	0	37,774	1
17	11,12	C. Scott to Tuna Pt., incl waters betwn Van Is. & Mainl	130,778	128,588	2,190	-	-
18	13	Tuna Pt. to Shelter Point, incl Mainland waters opposite	48,625	44,245	4,380	-	-
19	14	Shelter Point to French Creek	36,691	30,121	6,570	-	-
20	15,16	Mainland waters from George Point to Gower Point	19,810	11,050	8,760	-	-
21	17	French Creek to Shoal Harbour, including Nanaimo	22,229	9,079	13,150	-	-
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	41,391	41,391	0	-	-
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	42,310	31,360	10,950	-	-
24	23	Barclay Sound and Port Alberni	52,505	52,505	0	-	-
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	15,982	15,982	0	-	-
26	25	Estevan Point to Tachu Point, including Nootka Sound	21,462	21,462	0	-	-
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	10,191	10,191	0	-	-
28	27	Cape Cook to Cape Scott, including Quatsino Sound	6,420	6,420	0	-	-
3	28,29	Fraser River and Howe Sound	288,899	288,899	0	-	-
		Total	########	1,364,504	46,000		

a. Source: DBS GLW (in Table F1); DMF Schedules 1A and II GLW (e.g. Tables B25 and B27); Transfer Analysis GLW (in Table F19 part C). Transfer analysis of District III and District I data is in Section 4 of Appendix F.

Table F22. DMF worksheet from 1933 illustrating the discrepancy between "Salmon Shipped Out" and "Salmon Shipped In". These totals should balance when all transfers are accounted for.



Statement Showing Catch of Salmon, Quantities Marketed, and Quantities Shipped.

Area	Caught Landed from Schedules III Cwts	Used Fresh Cwts	Canned Green Cwts	Dry Salted Green Cwts	Mild Cured Green Cwts	Used as Bait Cwts	Smoked Green Cwts	Pickled Green Cwts	Total Marketed converted to Green Cwts	Area Salmon Shipped Out	Deduct Salmon Shipped In	Total Salmon Produced in Area
District No 1	285.899	91.506	271.794	27.714	9.916	..	746	839	401.985	..	113.066	258.599
Queen Charlotte I NE	29.287	..	..	..	..	..	..	..	..	29.287	..	29.287
" " " SW	43.597	..	..	19.055	..	..	..	..	19.055	24.542	..	43.597
The Nass River	95.153	..	50.764	..	..	..	..	..	50.764	44.419	..	95.153
The Skeena River	139.368	38.795	155.789	..	4.551	..	..	165	199.603	4.888	65.123	139.368
Grenville Principe	26.497	..	22.224	..	..	..	..	..	24.224	5.244	2.971	26.497
Butedale	51.548	8.753	42.137	..	9.878	196	..	..	60.964	13.553	22.969	51.548
Bella Bella	96.293	..	107.474	1.130	..	..	..	..	108.604	31.820	44.131	96.293
Bella Coola	65.166	..	55.773	..	..	..	..	..	55.773	9.393	..	65.166
Rivers Inlet	88.497	..	72.818	..	..	..	..	..	72.818	21.173	5.494	88.497
Smiths Inlet	37.775	..	59.987	..	..	..	..	..	59.987	4.588	26.800	37.775
C. Scott to [illegible] Pt	128.588	14.448	99.786	7.163	..	..	..	15	121.412	10.463	3.287	128.588
[illegible] Pt to Shelter Pt	44.245	6.693	19.961	3.485	..	..	..	..	30.099	14.146	..	44.245
Shelter Pt to [illegible] Cr	30.121	1.716	18.942	..	..	..	..	..	20.658	9.463	..	30.121
George Pt to Tower Pt	11.050	3.147	..	3.320	..	..	..	..	6.467	4.583	..	11.050
French Cr to Stone Hbr	9.079	1.529	..	7.550	..	..	..	..	9.079	..	..	9.079
Stone Hbr to Sombrio Pt	41.391	14.887	23.767	..	2.749	..	..	..	41.403	..	12	41.391
Sombrio Pt to Pachena Pt	31.360	..	..	..	..	..	..	..	..	31.360	..	31.360
Barclay Sd & Pt Alberni	52.505	20.463	33.631	24.892	..	..	..	..	78.993	..	26.488	52.505
Wreck Bay to Estevan Pt	15.982	5.083	6.039	..	..	..	..	..	11.122	4.860	..	15.982
Estevan Pt to Tatchu Pt	21.462	.353	19.783	4.898	..	..	..	..	25.034	..	3.572	21.462
Tatchu Pt to Cape Cook	10.191	5.806	..	4.385	..	..	..	..	10.191	..	..	10.191
Cape Cook to Cape Scott	6.420	2.417	..	..	..	..	..	..	2.417	4.003	..	6.420
	1.364.504	215.579	1.062.656	103.592	27.394	196	746	409	1.410.582	267.985	313.563	1.364.504
										Difference	46.078 Cwts	

Table F23. Comparison of data from worksheets and from Statistical Basebook No. 3 (Anon. 1958) regarding the transfers of canned salmon (in cases) between areas in 1933.[a]

	Data from Worksheets							Basebook Data
	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total	
Nass	(416)	(13,100)	(1,003)	(15,765)	(159)	(65)	(30,508)	(30,508)
Skeena	2,813	15,851	4,744	18,530	(4,780)	66	37,224	37,224
Rivers-Smith	(5,503)	13,396	586	(564)	(154)	16	7,777	7,777

a. Basebook (Anon. 1958) transfers for 1933 equal pack totals from Basebook Table 16 minus pack totals from Basebook Table 15.

Table F24. Copies of DMF worksheets for District III in 1939 containing results from DMF's transfer analysis to determine total GLW. Continued.

17

CAPE SCOTT - TUNA POINT

SALMON

Supp.	126,737	cwts.
Schedule 11	13,566	"
Shipped Out	91,742	"
	232,045	cwts.
Shipped IN	7,547	"
Schedule 1A	224,498	cwts.

SHIPPED OUT

To Tuna Pt. - Shelter Pt.	12,220	cwts.
Estevan Pt. - Tatchu Pt.	1,894	"
District No. 1 (80223 cases)	64,178	"
District No. 2 (12,796 cases)	10,237	"
District No.1 fresh markets	3,213	"
	91,742	cwts.

SHIPPED IN

From District No. 1 (977 cases)	781	cwts.
District No. 2 (8317 cases)	6654	"
Tuna Pt. - Shelter Pt.	112	"
	7,547	cwts.

CLAMS SHIPPED OUT

To District No.1	4116	cwts.
Shaol Hbr.- Sombrio Pt.	873	"
	4989	cwts.

HERRING.

Shipped out	117,380	cwts.
Schedule 11	416	
	117,796	cwts
Less	220	" shipped in (20 cwts from Dist.2 200 " of lower East coast, but previously shipped from there to District1.)
Sched.1A	117,576	cwts.

Table F24. Continued.

18

TUNA POINT - SHELTER POINT

SALMON

Supp.	44,689	cwts.
Schedule 11	175	"
Shipped Out	61,531	"
	106,395	cwts.
Shipped IN	16,367	"
Schedule 1A	90,028	cwts.

SHIPPED OUT

To District No. 1	61419 cwts. (76,774 cases)
Cape Scott - Tuna Pt.	112 "
	61531 cwts.

SHIPPED IN

From Cape Scott - Tuna Pt.	12,220 cwts.
Shelter Pt. - French C.	941 "
George Pt. - Gower Pt.	3,206 "
	16,367 cwts.

SHIPPED TO VANCOUVER MARKETS.

Ling Cod	6,610 cwts.
" livers	199 cwts.

Table F24. Continued.

SHELTER POINT TO FRENCH CREEK

Schedule 1A.

Shipped Out

Mixed fish.

To District No; 1 fresh markets.

Flounders	133 cwts.
Skate	18 "
Soles	384 "
Perch	11 "
Graycod	487 "
Oysters	175.3 bbls.

SALMON

Shipped out.

To Tuna Pt. to Shelter Point.	941 cwts.
District No. 1	18,383 " (22,979 cases)
	19,324 cwts.
Schedule 11	1,277 "
Schedule 1A.	20,601 cwts.

GRAYFISH

659.3 tons meals @ 6 tons per 1 ton meal - 79,116 cwts.

Shipped IN.

From French Ck-Shoal Bay	44,520 cwts.
George Pt. -Gower Pt.	9,540 "
	54,060 cwts.
Taken in area	25,056 "
	79,116 cwts.

Table F24. Continued.

20 ✓

GEORGE POINT TO GOWER POINT.

Schedule 1A.

Salmon

Shipped out	19,591 cwts.
Schedule 11	3,332 "
	22,923 cwts.

Shipped out

To Tune Pt. - Shelter Pt.	3,206 cwts.	
District No. 1	16, 385 "	(20,481 cases)
	19, 591 cwts.	

Grayfish

To Shelter Pt. - French Creek	9,540 cwts.

Table F24. Continued.

21

FRENCH CREEK – SHOAL HARBOUR

SUMMARY

SALMON

Schedule 11	2435 cwts.	
Shipped out to District No.1	6855 "	(6569 cases)
	9290 cwts.	

HERRING SUMMARY

Supp. Schedule	237,757 cwts.
Shipped out	357,784 "
Schedule 11	7,242 "
	602,783 cwts.

Supp. Schedules	
U.S.	4960 cwts.
D.S.	184362 "
Pkld.	2715 "
Bait	1560 "
Reduced	44,160 "
	237,757 cwts.

SHIPPED OUT

To Shoal Hbr. – Sombrio Pt.	2,374 cwts.
Tatchu Pt. – Cape Cook	3,100 "
Barclay Sd. & Port Alberni	28,340 "
" "	8,340 "
District No. 1	315,630 "
	357,784 cwts.

CRAYFISH

To Shelter Pt. – French C.	44,520 cwts.
Supp. Schedules	20,040 "
	64,560 cwts.

CLAMS

Shipped Out.

To Shoal Harbour – Sombrio Pt. 2,527 cwts.

MIXED FISH

Shipped to Vancouver markets.

Graycod	3,608 cwts.
Soles	713 "
Lingcod	5,866 "
" " livers	205 "
Perch	78 "
Smelts	17 "

Table F24. Continued.

SHOAL HARBOUR - SOMBRIO POINT

SALMON

Supp.	9548	cwts.
Schedule 11	10202	"
Shipped Out	8497	"
	28,247	cwts.
Less Shipped IN	4,948	"
	23, 299	cwts.

SHIPPED IN

From Barclay Sd. & Port Alberni	2403	cwts.
Tatchu Pt. - Cape Cook	1765	"
Wreck Bay - Estevan Pt.	780	"
	4948	cwts.

SHIPPED OUT

TO District 1 (6583 cases)	5266	cwts.
" fresh markets	3231	"
	8497	cwts.

HERRING

Supp.	2374	cwts.
Schedule 11	1185	"
	3559	"
Less Shipped IN	2374	"
Schedule 1A	1185	cwts.

CLAMS

Supp. (1 case & 150 lbs.)	3400	cwts.
Schedule 11	280	"
~~Less Shipped IN~~	3680	cwts.
Less Shipped IN	3400	"
Schedule 1A	280	cwts.

Shipped IN

From French Ck.- Shoal Harbour	2527	cwts.
Cape Scott - Tuna Pt.	873	"
	3400	cwts.

Table F24. Continued.

73

SOMBRIO POINT TO PACHENA POINT, Incl.NITINAT ARM.

Salmon.

Shipped out 12,402 cwts to Barclay Sd & Pt.Alberni
15,530 " " District No: 1 (19413 cs)
27,932 cwts. Schedule 1A.

Table F24. Continued.

24

BARCLAY SOUND AND PORT ALBERNI

SALMON

Supp.	45,316	cwts.
Schedule 11.	15,722	"
Shipped Out	9,646	"
	70,684	"
Less	13,576	" Shipped IN.
Schedule 1A	57,108	cwts.

Shipped Out

To Estevan Pt. - Tatchu Pt.	539	cwts.
Shoal Hbr. - Sombrio Pt.	2403	"
District No. 1	6704	" (8380 cases)
	9646	cwts.

Shipped IN

From Sombrio Pt. - Pachena Pt.	12,402	cwts.
Wreck Bay - Estevan Pt.	1,174	"
	13,576	cwts.

HERRING

Supp.	129,613	cwts.
Shipped Out	6,460	" To Estevan Pt. - Tatchu Pt.
	136,073	cwts.
Less Shipped IN	36,680	" from French C. - Shaol Harbour.
	99,393	cwts.

Shipped to Vancouver Markets - District No. 1

Ling Cod	2229	cwts.
" livers	69	"
Soles	150	"
Flounders	20	"
Halibut	138	"

Table F24. Continued.

25

WRECK BAY - ESTEVAN POINT

Schedule 1A

Salmon.

Shipped Out	9078	cwts.
Schedule 11	6174	"
	15,252	cwts.

Shipped Out

To District No. 1	5,125	cwts.(6406 cases)
Barclay Sd. & Pt. Alberni	1,174	"
Estevan Pt.-Tatchu Pt.	216	"
Tatchu Pt.-Cape Cook	1,783	"
Shoal Hbr.-Sombrio Pt.	780	"
	9,078	cwts.

26

Estevan Point to Tatchu Point.

SALMON.

Supp. 27,214 cwts.
Sched 2. 405 "
27619 "
Shipped in..... 18241 "
Sched.1A...... 9378 cwts.

Shipped in.

216	cwts from	Wreck Bay-Estevan Pt.
1,894	" "	Cape Scott-Tuna Point.
539	" "	Barclay Sd and Port Alberni.
7,942	" "	Tatchu Point-Cape Cook.
7,650	" "	Cape Cook-Cape Scott.
18,241	cwts.	

HERRING.

Supp. 3758 tons meal @ 5.5 per ton = 413,380 cwts.
Canned...... 8,979 "
422,359 "
Less shipped in...... 378,939 "
Sched.1A............. 43,420 cwts.

Shipped in.

317,779	cwts from	District No: 2.
6,460	" "	Barclay Sd.and Port Alberni.
54,700	" "	Cape Cook-Cape Scott.
378,939	cwts.	

TATCHU POINT TO CAPE COOK, INCLUDING KYUQUOT SOUND

Schedule 1A. Summary

Salmon

Supp.	2,843 cwts.
Shipped out	10,283 "
Schedule 11	9,707 "
	22,833 cwts.
Less IN	2,106 "
Schedule 1A	20,727 cwts.

Shipped OUT

To Estevan Pt. - Tatchu Pt.	7,942 cwts.	
Shoal Harbour - Sombrio Pt.	1765 "	
District No. 1	576 "	(720 cases)
	10,283 cwts.	

Shipped IN

From Wreck Bay - Estevan Pt.	1,783 cwts.
Cape Cook - Cape Scott	323 "
	2,106 cwts.

Herring

Reduced	6,958 cwts.
Lee Shipped in from East Coast	3,100 "
	3,858 cwts.

28

CAPE COOK - CAPE SCOTT

Summary 1A.

Salmon

Shipped out	9,376 cwts.
Schedule 11	6,867 "
Schedule 1A	16,243 cwts.

Shipped Out.

To Estevan Pt. - Tatchu Pt.	7650 cwts.	
Tatchu Pt. - Cape Cook	323 "	
District No. 1	1403	(1754 cases)
	9,376 cwts.	

Herring Shipped Out.

To Estevan Pt. - Tatchu Pt.	54,700 cwts.

Table F25. Statement illustrating shipments of salmon from DBS area 28 in 1939. There were no salmon processing establishments in area 28 in 1939.

Statement of the amount of fish shipped out of the
Quatsino sub-district to other areas during
1939

Herring	54,700	cwt.	Nootka
Sockeye	81	"	Vancouver
Trolled Cohoe	4,935	"	Nootka & Vancouver
Seined Cohoe	1,054	"	Nootka
" "	138	"	Kyouquot
" "	250	"	Vancouver
Chums	6,595	"	Nootka
"	185	"	Kyouquot
"	708	"	Vancouver

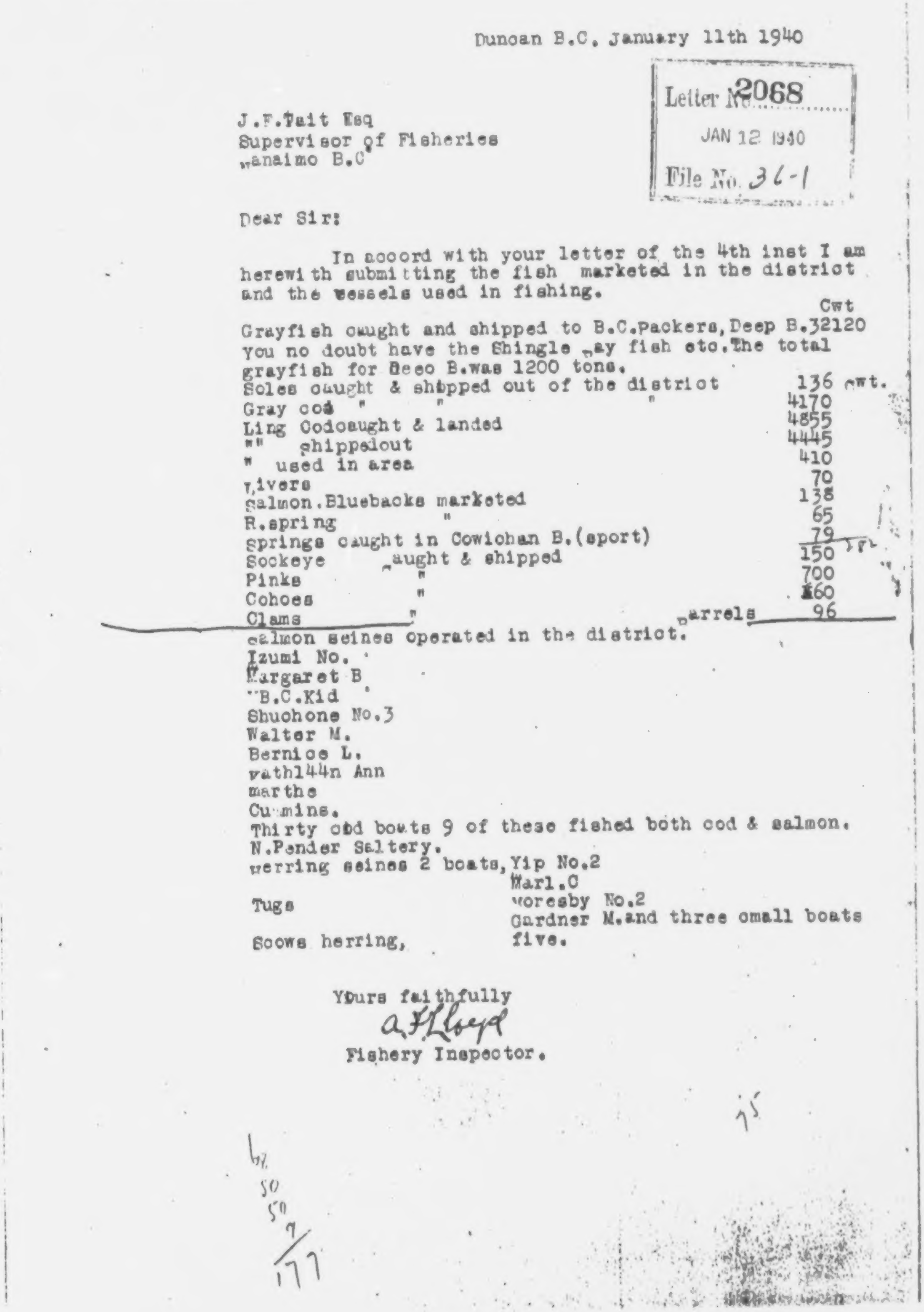
13946

With regard to the trolled cohoes. These fish were shipped out by the Kyouquot Trollers Co-operative Ass., and a small portion sold fresh or mild cured, and the remainder sold for canning in Vancouver or Nootka, depending on market conditions each trip. As I was unable to ascertain the exact quantities, I have not included any cohoes in Schedule 2.

Harold G. Dane.

Fisheries Inspector.

Table F26. Correspondence illustrating disposition of fish landed in DBS areas 21 and 22 in 1939. Continued.



Duncan B.C. January 11th 1940

Letter No. 2068
JAN 12 1940
File No. 36-1

J.F.Tait Esq
Supervisor of Fisheries
anaimo B.C

Dear Sir:

In accord with your letter of the 4th inst I am herewith submitting the fish marketed in the district and the vessels used in fishing.

	Cwt
Grayfish caught and shipped to B.C.Packers, Deep B.	32120

You no doubt have the Shingle ay fish etc. The total grayfish for Deeo B. was 1200 tons.

Soles caught & shipped out of the district	136 cwt.
Gray cod " " "	4170
Ling Cod caught & landed	4855
" " shipped out	4445
" used in area	410
ivers	70
salmon. Bluebacks marketed	138
R. spring "	65
springs caught in Cowichan B. (sport)	79
Sockeye aught & shipped	150
Pinks "	700
Cohoes "	160
Clams " arrels	96

salmon seines operated in the district.
Izumi No.
Margaret B
B.C.Kid
Shuchone No.3
Walter M.
Bernice L.
Kathleen Ann
marthe
Cummins.
Thirty cod boats 9 of these fished both cod & salmon.
N.Pender Saltery.
erring seines 2 boats, Yip No.2
Earl.C

Tugs Moresby No.2
Gardner M. and three small boats

Scows herring, five.

Yours faithfully
A.F.Lloyd
Fishery Inspector.

75

70
50
50
7
177

Table F26. Continued.

CANADA

DEPARTMENT OF FISHERIES

OFFICE OF THE SUPERVISOR OF FISHERIES

36-1.

AT NANAIMO, B.C., Feb.3rd 1940.

J.C.Scott Esq.,
Fisheries Inspector,
Victoria, B.C.

Dear Sir:

A summary of salmon canned in District No: 1 from District 3 caught fish shows 6,583 cases from Victoria area.

In your schedule 1A you include 8,497 cwts shipped out. It is presumed that this quantity will include the 6,583 cases, or its equivalent 5,266 cwts, and that the balance would be used fresh.

Red Spring	1356 cwts
Wh "	548
Sockeye	1196
Coho	625
Pink	4760
Chum	8
Steel hd	4
	8497 cwts

Yours faithfully,

J.F.Tait,
Supervisor of Fisheries.

All believedxtrap caught fish, shipped to Can Fish'g Co., Vancouver, spring salmon used fresh or mild cured, steel head and presumably some of the other varieties used fresh, balance canned.

Table F27. Landings data for DBS area 17 in 1939 that were submitted by the Fishery Officer to the District Supervisor in Nanaimo. The data on pages 2 and 3 agree with data from the DMF transfer analysis for the area in Table F24. Continued.

OFFICE OF FISHERIES INSPECTOR,

Alert Bay, B. C.,

January 14th, 1940.

Sir:

I enclose herewith Annual Statistical forms in respect of Alert Bay Sub-district, District No.3, B. C. (Cape Scott to Tuna Point, including all waters between Vancouver Island and the Mainland) for year 1939.

SCHEDULE 1A. All quantities shown in green weight.

LING COD.	Sold locally	16	cwts.	Value	$ 64.00
	Shipped out	127	"	"	508.00
		143	"	"	572.00
LING COD LIVERS.	Shipped out	2½	cwts.	Value	$87.50
HALIBUT.	Sold locally	32	cwts.	Value	$ 160.00
	Shipped by Fresh Fish Buyers	2,596	"	"	12,980.00
		2,628	"	"	$13,140.00
HALIBUT LIVERS.	Shipped out by Fresh Fish Buyers.	25	cwts.	Value	$1,000.00
HERRING.	Sold locally for bait.	416	cwts.	Value	$ 624.00
	Shipped out for processing elsewhere	117,380	"	"	46,952.00
		117,796	"	"	$47,576.00
	Less shipped in	220	"	"	330.00
	Shown on Schedule 1A.	117,576	"	"	$47,246.00

Of the quantity shipped in 20 cwts. were received from District No.2 and 200 cwts. from District No.3.

OULACHONS.	Sold locally	60	cwts.	Value	$60.00
ABALONES.	Sold locally	5	Cwts.	Value	$50.00
	Shipped out	1	"	"	10.00
		6	"	"	$60.00
PRAWNS.	Sold locally	2	cwts.	Value	$20.00
CLAMS.	Sold locally	200	cwts.	Value	$ 180.00
	Shipped out	13,759	"	"	12,383.10
		13,959	"	"	$12,563.10
Shrimps		1	cwt.	Value	10.00

Table F27. Continued.

Page2

Annual Statistical forms - Alert Bay Sub-dist., Cont'd.

SALMON. Canned in Sub-dist.

	Cases	Cwts.	Value
Sockeyes	16,077½	12,862	$102,896.00
Red Springs	962½	770	7,770.00
White " (including Jack Spr.)	532½	426	1,704.00
Cohoes	15,075¾	12,061	72,366.00
Pinks	96,109	76,887	115,330.50
Chums	29,504	23,603	47,206.00
Steelheads	110½	89	534.00
Bluebacks	49	39	273.00
Totals	158,420¾ √	126,737	$348,079.50

Shipped out for processing elsewhere.

	Cwts.	Value
Sockeyes	3,726	29,808.00
Red Springs	725	7,250.00
White Springs (including Jack Spr.)	258	1,032.00
Cohoes	10,896	65,376.00
Pinks	53,096	79,644.00
Chums	22,957	45,914.00
Steelheads	84	504.00
Totals	91,742	229,528,00

Bought and sold fresh by Fish Buyers.

	Cwts.	Value
Red Springs	1,104	10,140.00
White "	161	644.00
Cohoes	8,434	50.604.00
Pinks	47	70.50
Chums	3,860	7,720.00
Steelheads	1	6.00
Totals	13,517	69,184.50

Sold Fresh locally.

	Cwts.	Value
Red Springs	23	230.00
White "	7	28.00
Cohoes	10	60.00
Chums	9	18.00
Totals	49	336.00

		Cwts.	Value
Grand Totals		232,045	647,128.00
Shipped in from other areas	Sockeyes	6,217	49,736.00
	R. Springs	17	170.00
	W. "	26	104.00
	Cohoes	177	1,062.00
	Pinks	961	1,441.50
	Chums	139	278.00
	Steelheads	10	60.00
	Totals	7,547	52,851.50

Table F27. Continued.

Page 3.

Annual Statistical forms - Alert Bay Sub-dist., Cont'd.

SALMON ROE. Processed in area	572 cwts.	Value $1,716.00

SUMMARY OF SCHEDULE 1A.

SALMON.

Supplementary Schedules

Canned in Area -	126,737 cwts. ✓	Value	348,079.50
Schedule 11	13,566 " ✓	"	69,520.50
Shipped out for processing elsewhere	91,742 "	"	229,528.00
Totals	232,045 cwts.	Value	647,128.00
Less shipped in from other areas	7,547 " ✓	"	52,851.50
Total shown on Schedule 1A.	224,498 cwts.	Value	$594,276.50

SCHEDULE 11.

Ling Cod	143	cwts.	Value	572.00
Ling Cod Livers	2½	"	"	87.50
Halibut	2,628	"	"	13,140.00
Halibut Livers	25	"	"	1,000.00
Herring(Bait)	~~[illegible]~~ 416		"	~~[illegible]~~ 624.00
Oulachons	60	"	"	60.00
Abalones	6	"	"	60.00
Prawns	2	"	"	20.00
Clams	200	"	"	180.00
Salmon	13,566	"	"	69,520.50
Salmon Roe	572	"	"	1,716.00

SCHEDULE 1C.

Vessels 40 tons and over - Gasoline - Nil

Vessels 20 to 40 tons - "

No.	Tons	Value	Men
1	Sal. P. S.23	7,000	7

Vessels 10 to 20 tons - Gasoline

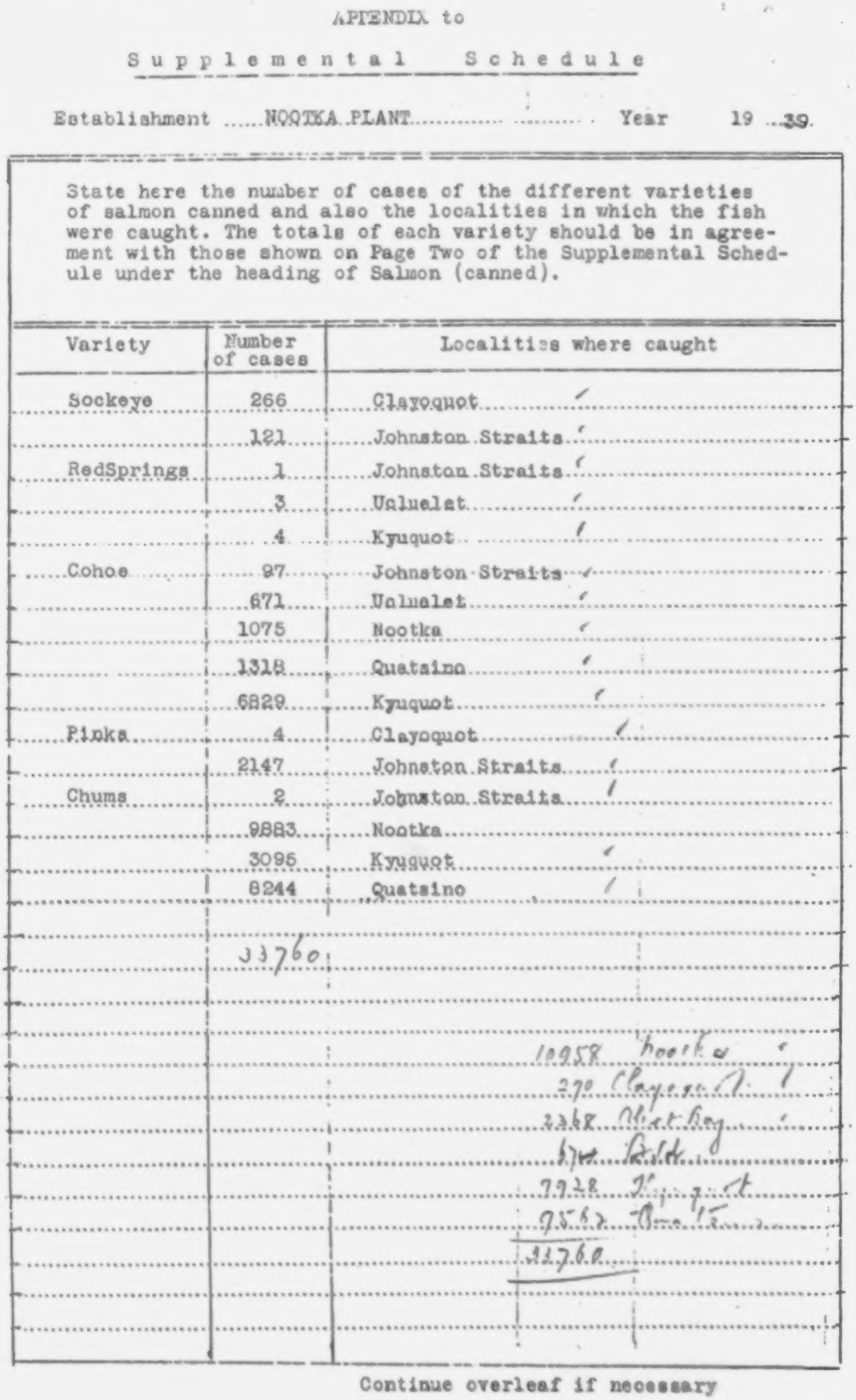
8	Sal. P.S.123	35,500	47

Vessels 40 tons and over - Diesel - Nil

Vessels 20 to 40 tons - Diesel

No.	Kind	Tons	Value	Men
61	Sal. Purse Seine	1,607	575,500	424
4	Herring Purse "	109	43,000	36
3	Halibut Boats	63	29,000	13

Table F28. Copies of Appendices to the mimeographed 1939 Supplemental Schedules illustrating the form in which companies submitted data on transfers to DMF. Continued.



APPENDIX to

Supplemental Schedule

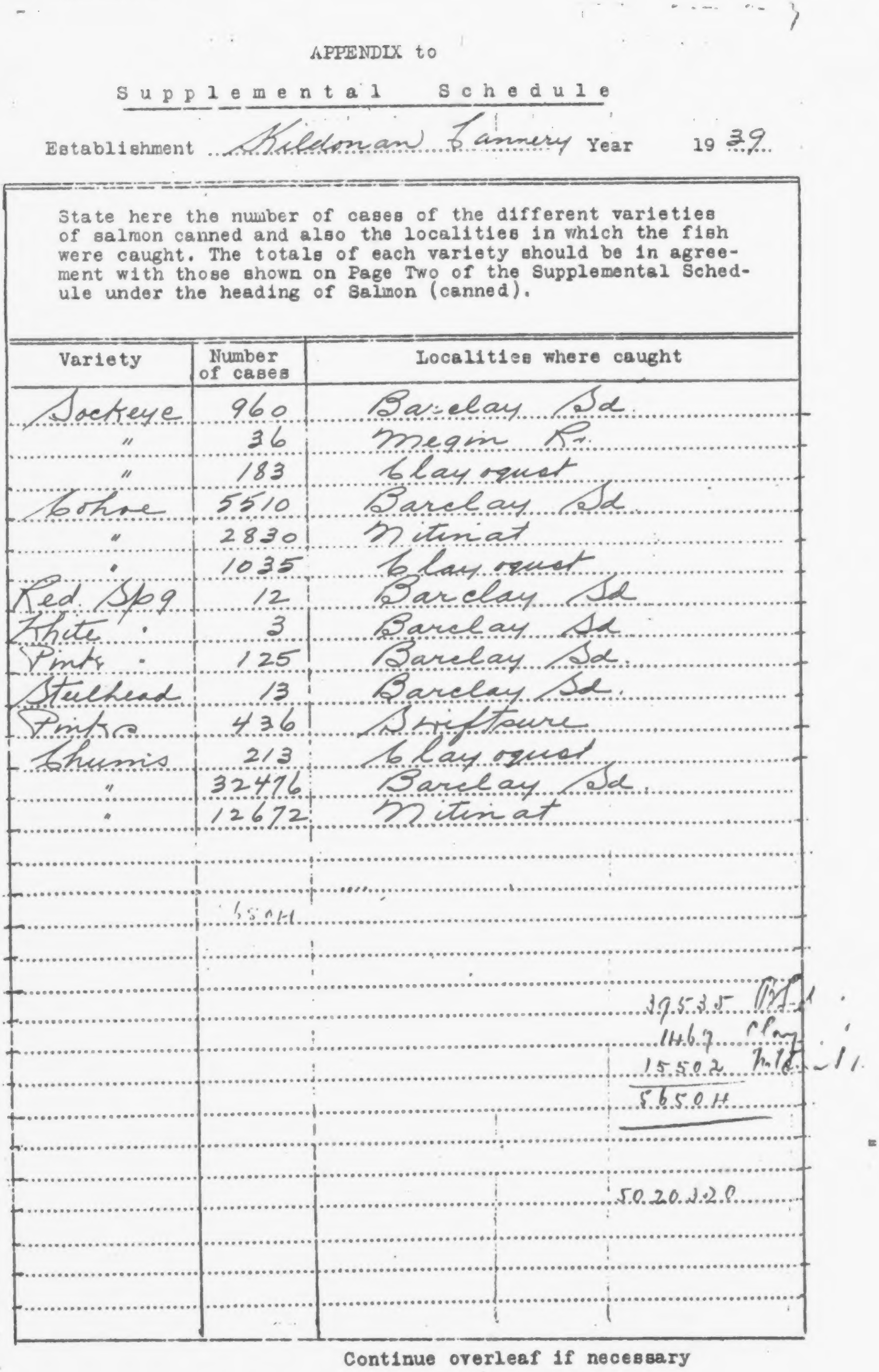
Establishment NOOTKA PLANT Year 19 39

State here the number of cases of the different varieties of salmon canned and also the localities in which the fish were caught. The totals of each variety should be in agreement with those shown on Page Two of the Supplemental Schedule under the heading of Salmon (canned).

Variety	Number of cases	Localities where caught
Sockeye	266	Clayoquot ✓
	121	Johnston Straits ✓
RedSprings	1	Johnston Straits ✓
	3	Ucluelet ✓
	4	Kyuquot ✓
Cohoe	97	Johnston Straits ✓
	671	Ucluelet ✓
	1075	Nootka ✓
	1318	Quatsino ✓
	6829	Kyuquot ✓
Pinks	4	Clayoquot ✓
	2147	Johnston Straits ✓
Chums	2	Johnston Straits ✓
	9883	Nootka
	3095	Kyuquot ✓
	8244	Quatsino ✓
	33760	
		10958 Nootka ✓
		270 Clayoquot ✓
		2368 Alert Bay ✓
		674 Uclt
		9928 Kyuquot
		9562 Quatsino
		33760

Continue overleaf if necessary

Table F28. Continued.



APPENDIX to

Supplemental Schedule

Establishment Kildonan Cannery Year 1939

State here the number of cases of the different varieties of salmon canned and also the localities in which the fish were caught. The totals of each variety should be in agreement with those shown on Page Two of the Supplemental Schedule under the heading of Salmon (canned).

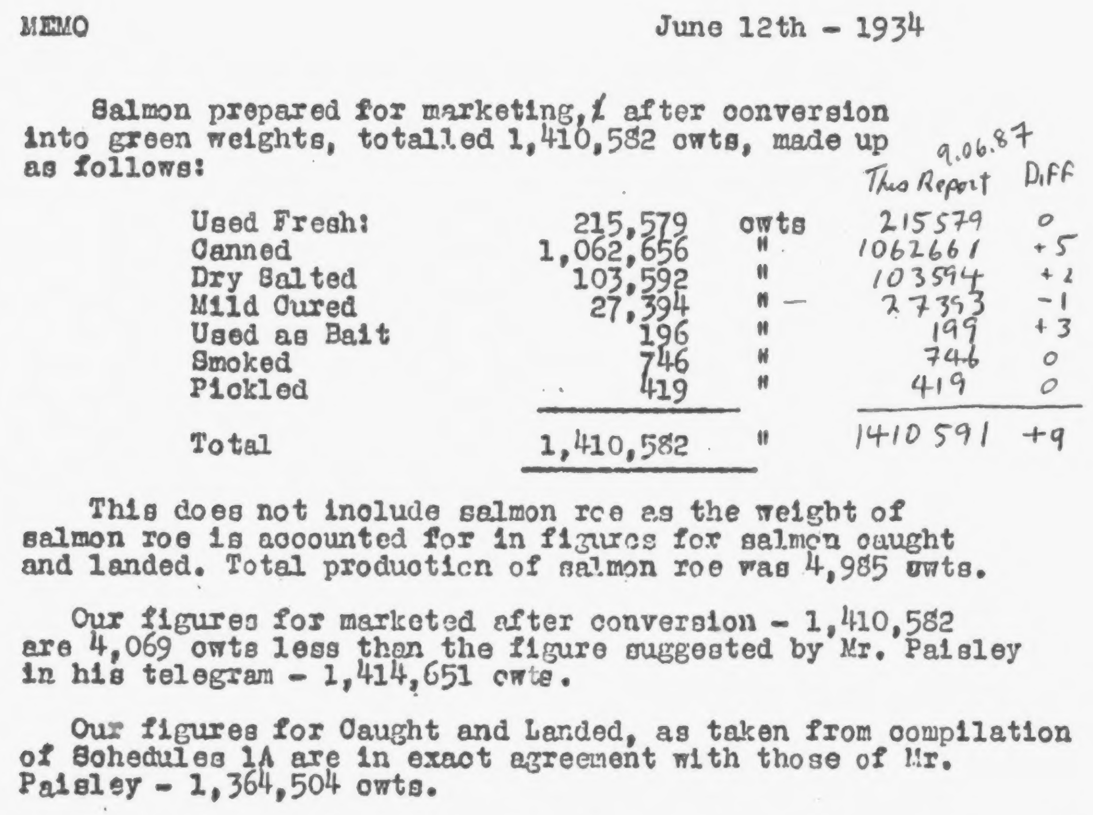
Variety	Number of cases	Localities where caught
Sockeye	960	Barclay Sd
"	36	Megin R.
"	183	Clayoquot
Cohoe	5510	Barclay Sd
"	2830	Nitinat
"	1035	Clayoquot
Red Spg	12	Barclay Sd
White "	3	Barclay Sd
Pinks "	125	Barclay Sd
Steelhead	13	Barclay Sd
Pinks	436	Swiftsure
Chums	213	Clayoquot
"	32476	Barclay Sd
"	12672	Nitinat
	56504	

39535 B.S.
1467 Clay
15502 Nit
56504

5020220

Continue overleaf if necessary

Table F29. DMF memorandum explaining the discrepancy in 1933 total GLW arising from unaccounted for transfers. The written figures on page one of the memorandum are by the authors. Continued.



MEMO June 12th - 1934

Salmon prepared for marketing,/ after conversion into green weights, totalled 1,410,582 cwts, made up as follows:

			9.06.87 This Report	Diff
Used Fresh:	215,579	cwts	215579	0
Canned	1,062,656	"	1062661	+5
Dry Salted	103,592	"	103594	+2
Mild Cured	27,394	" —	27393	-1
Used as Bait	196	"	199	+3
Smoked	746	"	746	0
Pickled	419	"	419	0
Total	1,410,582	"	1410591	+9

This does not include salmon roe as the weight of salmon roe is accounted for in figures for salmon caught and landed. Total production of salmon roe was 4,985 cwts.

Our figures for marketed after conversion - 1,410,582 are 4,069 cwts less than the figure suggested by Mr. Paisley in his telegram - 1,414,651 cwts.

Our figures for Caught and Landed, as taken from compilation of Schedules 1A are in exact agreement with those of Mr. Paisley - 1,364,504 cwts.

The difference between our Caught and Landed figure - 1,364,504 cwts - and our total marketed figure - 1,410,582 is 46,078 cwts. This Report: 46087

Schedules 1A, from which are compiled the above total of salmon caught and landed, are determined as to quantities of salmon landed after taking into consideration shipments of salmon into and out of the area.

These shipments into and out of areas have been totalled. The total of salmon shipped out of areas is 267,785 cwts. The total salmon shipped into areas is 313,863 cwts. The difference is 46,078 cwts - which equals the difference between caught and landed and marketed figures as given above.

11

This difference in the totals of salmon shiiped into and out of areas would indicate that in some area or areas salmon has been shipped out and has not been accounted for.

This would mean that the total of salmon caught and landed should be increased by 46,078 cwts - the amount of difference abovementioned.

As it would be very difficult to trace the exact areas from which this salmon was shipped and not accounted for it is suggested that the total of salmon, caught and landed should be increased by 46,078 cwts, and that areas in District 3 should be increased pro rata to take up this quantity.

It is probable that the figures supplied by District 2 are as nearly correct as possible to get them. It is unlikely, so far as I am able to judge, that much salmon would have been shipped out of District 1, with the exception of Area 17.

12

Table F30 Examples of worksheets prepared by the authors for the transfer analysis for 1939 for DBS areas. Continued.

1939

Area 17, CWT DMF

SHIPPED OUT

SOC	PNK	CHM	COH	CHZ	STL	TOT	91742
3726	53096	22957	10896	983	84	91742	

SHIPPED IN

SOC	PNK	CHM	COH	CHZ	STL	TOT	7547
6217	961	139	177	43	10	7547	

SCHEDULE II DBS

	SOL	PNK	CHM	COH	CHZ	STL	TOT	13566
	–	47	3869	8444	1295	1	13656	
avg		47	3844	8388	1287	1	13567	

Table F30. Continued.

Area 21

CUT

1939

SHIPPED OUT

	SOC	PNK	CHM	COH	CHZ	STL	TOT	6855
			1039	2752.5	571		4362.5	
adj			1633	4325	897		6855	

SHIPPED IN

SOC	PNK	CHM	COH	CHZ	STL	TOT

— NIL —

DBS

SCHEDULE II

	SOC	PNK	CHM	COH	CHZ	STL	TOT	2435
avg spp comp.	.0024	.0023	.0922	.4817	.4212	.0001		
	6	6	225	1173	1026	0	2436	

Table F30. Continued.

Area 22 CWT 1939

DMF

SHIPPED OUT

SOC	PNK	CHM	COH	CHZ	STL	TOT	8497
1196	4760	8	625	1904	4	8497	

SHIPPED IN

assume 50:50
wh : che
u. Traught

SOC	PNK	CHM	COH	CHZ	STL	TOT	4948
			2474	2474		4948	

SCHEDULE II

DBS

avg app unif.

SOC	PNK	CHM	COH	CHZ	STL	TOT	10202
0	.0041	.203	.1324	.6499	.0106		
	42	2071	1351	6630	108	10202	

Table F30. Continued.

1939

Area 28 CUT

SHIPPED OUT

	SOC	PNK	CHM	COH	CHZ	STL	TOT	9376
	81		7488	6377			13946	
adj	55		5034	4287			9376	

SHIPPED IN

SOC	PNK	CHM	COH	CHZ	STL	TOT

— NIL —

DBS

SCHEDULE II

	SOC	PNK	CHM	COH	CHZ	STL	TOT	6867
avg sp	.0043	.005	.0562	.314	.6202	.0001		
comp.	301	34	386	2156	4259	1	6866	

Table F31. Summary of results of from the transfer analysis worksheets for 1939.

DBS Area	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
a) Shipped Out							
0							
17	3,726	53,096	22,957	10,896	983	84	91,742
18	2,031	25,024	28,461	5,775	210	31	61,532
19	0	1,856	10,616	6,499	354	0	19,325
20	0	428	12	19,151	0	0	19,591
21	0	0	1,633	4,325	897	0	6,855
22	1,196	4,760	8	625	1,904	4	8,497
23	0	0	22,833	5,099	0	0	27,932
24	0	0	6,460	3,178	8	0	9,646
25	1,037	9	4,983	3,049	0	0	9,078
26	0	0	0	0	0	0	0
27	0	0	3,206	7,073	4	0	10,283
28	55	0	5,034	4,287	0	0	9,376
TOTAL	8,045	85,173	106,203	69,957	4,360	119	273,857
b) Shipped in							
0							
17	6,217	961	139	177	43	10	7,547
18	1,321	7,311	1,047	6,474	214	0	16,367
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	2,474	2,474	0	4,948
23	0	0	0	0	0	0	0
24	143	342	10,065	3,026	0	0	13,576
25	0	0	0	0	0	0	0
26	309	1,721	9,073	7,132	6	0	18,241
27	0	0	1,740	366	0	0	2,106
28	0	0	0	0	0	0	0
TOTAL	7,990	10,335	22,064	19,649	2,737	10	62,785
c) Schedule II							
0							
17	0	47	3,844	8,388	1,287	1	13,567
18	2	2	10	82	79	0	175
19	3	3	118	615	538	0	1,277
20	8	8	307	1,605	1,403	0	3,331
21	6	6	225	1,173	1,026	0	2,436
22	0	42	2,071	1,351	6,630	108	10,202
23	0	0	0	0	0	0	0
24	68	79	884	4,937	9,751	2	15,721
25	27	31	347	1,939	3,829	1	6,174
26	2	2	23	127	251	0	405
27	0	0	0	3,853	5,853	0	9,706
28	30	34	386	2,156	4,259	1	6,866
TOTAL	146	254	8,215	26,226	34,906	113	69,860

Table F32. Calculation of 1939 GLW from product and canned pack data and from the transfer analysis in Table F31.[a] Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
JOHNSTONE STRAIT								
Fresh (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Canned (cases)	18,820.5	124,130.0	34,475.0	34,851.3	1,960.0	40.0	-	214,276.8
GLW (cwt)	15,056.4	99,304.0	27,580.0	27,881.0	1,568.0	32.0	-	171,421.4
Salt (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Total Comm. GLW (cwt)	15,056.4	99,304.0	27,580.0	27,881.0	1,568.0	32.0	-	171,421.4
Fresh Fish GLW (cwt)	2.0	49.0	3,854.0	8,470.0	1,366.0	1.0	-	13,742.0
Net TSF GLW (cwt)	-1,781.0	69,848.0	50,232.0	10,020.0	936.0	105.0	-	129,360.0
TOTAL GLW (cwt)	13,277.4	169,201.0	81,666.0	46,371.0	3,870.0	138.0	-	314,523.4 [b]
(tonnes)	602.1	7,673.3	3,703.6	2,102.9	175.5	6.3	-	14,263.6

Table F32. Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
STRAIT OF GEORGIA								
Fresh (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Canned (cases)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Salt (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Total Comm. GLW (cwt)	-	-	-	-	-	-	-	-
Fresh Fish GLW (cwt)	17.0	17.0	650.0	3,393.0	2,967.0	-	-	7,044.0
Net TSF GLW (cwt)	-	2,284.0	12,261.0	29,975.0	1,251.0	-	-	45,771.0
TOTAL GLW (cwt)	17.0	2,301.0	12,911.0	33,368.0	4,218.0	-	-	52,815.0
(tonnes)	0.8	104.4	585.5	1,513.2	191.3	-	-	2,395.2

Table F32. Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
JUAN de FUCA STRAIT								
Fresh (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Canned (cases)	2,943.0	5,396.5	29.0	3,567.0	-	-	-	11,935.5
GLW (cwt)	2,354.4	4,317.2	23.2	2,853.6	-	-	-	9,548.4
Mild Cured (cwt)	-	-	-	-	-	-	-	-
GLW cwt	-	-	-	-	-	-	-	-
Total Comm. GLW (cwt)	2,354.4	4,317.2	23.2	2,853.6	-	-	-	9,548.4
Fresh Fish GLW (cwt)	-	42.0	2,071.0	1,351.0	6,630.0	108.0	-	10,202.0
Net TSF GLW (cwt)	1,196.0	4,760.0	8.0	-1,849.0	-570.0	4.0	-	3,549.0
TOTAL GLW (cwt)	3,550.4	9,119.2	2,102.2	2,355.6	6,060.0	112.0	-	23,299.4
(tonnes)	161.0	413.6	95.3	106.8	274.8	5.1	-	1,056.6

Table F32. Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
WEST COAST VANCOUVER ISLAND								
Fresh (cwt)	-	-	-	6.0	230.0	28.0	-	264.0
GLW (cwt)	-	-	-	6.0	230.0	28.0	-	264.0
Canned (cases)	1,566.0	2,587.0	69,529.0	19,975.0	148.0	13.0	-	93,818.0
GLW (cwt)	1,252.8	2,069.6	55,623.2	15,980.0	118.4	10.4	-	75,054.4
Salt (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Pickled (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Bait (cwt)	-	55.0	-	-	-	-	-	55.0
GLW (cwt)	-	55.0	-	-	-	-	-	55.0
Total Comm. GLW (cwt)	1,252.8	2,124.6	55,623.2	15,986.0	348.4	38.4	-	75,373.4
Fresh Fish GLW (cwt)	127.0	146.0	1,640.0	13,012.0	23,943.0	4.0	-	38,872.0
Net TSF GLW (cwt)	640.0	-2,054.0	21,638.0	12,162.0	6.0	-	-	32,392.0
TOTAL GLW (cwt)	2,019.8	216.6	78,901.2	41,160.0	24,297.4	42.4	-	146,637.4
(tonnes)	91.6	9.8	3,578.2	1,866.6	1,101.9	1.9	-	6,650.0

a. Total GLW figures from this table were the basis for final figures for 1939 included in main text Tables 33 to 36.

b. Differs from DBS total due to low DMF net transfer for DBS area Cape Scott to Tuna Point Authors unable to resolve difference.

Table F33. Results from DMF's analysis of transfers for District III in 1940.

SALMON CATCH SUMMARY - District No. 3

Complete Season - 1940 to November 30th - Figures represent green cwts

A CATCH

Areas	Sockeye	R. Sp'g.	P. Spg.	W. Spg.	St(hd	B'backs	Coho	Pinks	Chums	Totals	427 Shown
Alert Bay	18,299	2,826	224	890	186	2,785	28,950	30,860	116,737	201,757	202384
Quathiaski	3,476	285	476	1,158	14	4,304	5,536	4,731	91,799	~~111,779~~	111424
Comox		382	18	122		3,495	5		379	4,401	4734
Pender Hrbr.	1,998	2,089	652	1,197		6,782	1,075	237	25,420	41,450	
Nanaimo		547	158	163		4,669	363		5,060	10,960	11662
Victoria	2,004	3,544		1,028	122		3,652	10	327	10,687	
Nitinat	2,065	35	2	22			1,083		42,831	46,038	
Barkley Sd.	1,850	9,737	83	1,237	75		12,951	28	24,697	50,658	
Clayoquot	1,416	3,620		371		10	10,716	20	4,831	20,984	
Nootka		206		15			717		9,717	10,855	(10,655) 10727
Kyuquot	12	5,686	40	567			19,965	498	3,393	30,161	
Quatsino		123		10			2,305	577	4,110	7,125	7849
TOTAL:	31,120	29,080	1,653	6,780	397	24,045	87,318	36,961	329,301	546,655	

B PRODUCTION

Areas	Sockeye	R. Sp'g.	P. Spg.	W. Spg.	St(hd	B'backs	Coho	Pinks	Chums	Totals
Alert Bay	18,596	1,312	203	663	184	184	15,105	24,302	81,291	141,840
Quathiaski	2,161	28	277	244	13	7,695	887	1,620	17,388	30,313
Comox		254	7	37		99			10	407
Pender Hrbr.	23	454	199	408		3,519	60			4,663
Nanaimo		338	84	30		108	164			724
Victoria	1,798	4,998		909	122		4,099	10	244	12,180
Barkley Sd.	2,092	6,701	61	699	72		5,827		49,899	65,351
Clayoquot		2,869		209		5	5,506			8,589
Nootka		206		15			14,647	574	14,488	29,930
Kyuquot	12	1,992		135			3,578	501	4,536	10,754
Quatsino		123		10			2			135
TOTAL:	24,682	19,275	831	3,359	391	11,610	49,875	27,007	167,856	304,886

Table F34. Comparison of tranfer analyses by DMF and in this report for transfers of salmon and steelhead. (GLW in cwt) for District III in 1940. The upper portion of the table contains GLWs by species and area; the lower portion contains DMF GLW divided by our calculated GLW figures.

Area	Source	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
a) Transfer Data								
Johnstone Strait	DMF	21,775	35,591	208,536	41,575	5,859	200	313,536
	This Report	21,993	38,518	206,411	45,163	5,394	256	317,735
Strait of Georgia	DMF	1,998	237	30,859	18,389	5,328	-	56,811
	This Report	1,847	226	32,751	19,086	4,137	-	58,047
Juan de Fuca Str.	DMF	2,004	10	327	3,652	4,572	122	10,687
	This Report	2,198	34	1,798	3,616	2,986	55	10,687
West Coast Van. Is.	DMF	5,343	1,123	89,579	47,747	21,754	75	165,621
	This Report	5,054	668	100,009	59,161	18,633	76	183,601
Total	DMF	31,120	36,961	329,301	111,363	37,513	397	546,655
	This Report	31,091	39,446	340,969	127,026	31,150	387	570,069
b) DMF GLW divided by GLW from this report								
Johnstone Strait		0.9901	0.9240	1.0103	0.9205	1.0862	0.7806	0.9868
Strait of Georgia		1.0818	1.0487	0.9422	0.9635	1.2879	-	0.9787
Juan de Fuca Strait		0.9119	0.2941	0.1819	1.0100	1.5311	2.2182	1.0000
West Coast Vancouver Island		1.0573	1.6811	0.8957	0.8071	1.1675	0.9894	0.9021
Total		1.0009	0.9370	0.9658	0.8767	1.2043	1.0258	0.9589

Table F35a. Fraser River (District 1) packs of canned salmon and estimates of equivalent landed weight, adjusted for transfers, 1933 to 1944. Pack data is on the left, and is converted to GLW on the right; chum, chinook and steelhead packs for 1933 are from Basebook Table 16.[a]

Year	Adjusted Canned Pack (cases)							Estimated Landed Weight (tonnes)							Total
	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total	(cwt)
1933	54,146	92,769	77,330	13,987	10,681	-	248,913	2,063	3,535	2,946	533	407	-	9,484	209,087
1934	133,159	342	103,081	12,596	15,646	-	264,824	5,074	13	3,928	480	596	-	10,091	222,452
1935	57,212	111,328	8,227	24,950	9,401	-	211,118	2,180	4,242	313	951	358	-	8,044	177,339
1936	164,408	2	30,663	22,572	15,132	-	232,777	6,264	<0.5	1,168	860	577	-	8,869	195,533
1937	66,583	87,897	20,934	12,596	5,444	15	193,469	2,537	3,349	798	480	207	1	7,372	162,514
1938	169,430	63	49,835	28,687	4,294	13	252,322	6,456	2	1,899	1,093	164	<0.5	9,614	211,950
1939	43,294	108,608	42,480	25,572	6,008	69	226,031	1,571	3,941	1,541	928	218	3	8,202	180,825
1940	86,215	12	40,056	12,369	4,460	144	143,256	3,129	<0.5	1,454	449	162	5	5,199	114,605
1941	149,716	102,799	90,274	28,260	33,924	248	405,221	5,433	3,730	3,276	1,025	1,231	9	14,704	324,177
1942	418,491	136	82,586	10,559	9,702	314	521,788	15,186	5	2,997	383	352	11	18,934	417,430
1943	28,938	30,394	53,954	8,391	3,480	246	125,403	1,050	1,103	1,958	304	126	9	4,550	100,322
1944	85,656	130	13,876	15,760	12,576	293	128,291	3,108	5	504	572	456	11	4,656	102,633

a. 1933 sockeye, pink and coho Canned Pack from Rounsefell and Kelez (1938); 1933 chinook, chum and steelhead Canned Pack from Table 16 in Statistical Basebook Series No. 3 (Anon 1958); 1934-1944 Canned Packs for all species from Table 15 in Statistical Basebook Series No. 3 have been adjusted for transfers from 1933 to 1944 (except chum, chinook and steelhead in 1933).

Table F35b. Fraser River (District I) packs of canned salmon and steelhead, not adjusted for transfers, and adjusted/unadjusted canned pack ratios, 1933 to 1944. [a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
			Unadjusted Canned Pack (cases)				
1933	53,481	143,058	77,330	39,014	10,681	-	323,564
1934	145,579	35,847	219,331	53,317	16,830	-	470,904
1935	76,415	182,528	72,353	71,634	12,290	-	415,220
1936	165,651	23,842	188,538	71,890	16,015	6	465,942
1937	103,137	252,416	119,254	44,683	6,043	15	525,548
1938	217,882	29,862	181,444	76,237	6,537	72	512,034
1939	73,216	204,681	143,020	80,953	7,078	86	509,034
1940	121,080	13,243	178,860	61,024	5,389	178	379,774
1941	196,871	179,071	360,623	110,037	36,111	315	883,028
1942	474,036	9,075	264,736	57,004	11,096	314	816,261
1943	72,507	162,496	127,450	52,807	4,893	291	420,444
1944	107,431	33,756	50,421	59,231	14,315	332	265,486
			Adjusted Canned Pack / Unadjusted Canned Pack (Adjustment Factor)[b]				
1933	1.0124	0.6485	1.0000	0.3585	1.0000	-	0.7693
1934	0.9147	0.0095	0.4700	0.2362	0.9296	-	0.5624
1935	0.7487	0.6099	0.1137	0.3483	0.7649	-	0.5084
1936	0.9925	0.0001	0.1626	0.3140	0.9449	100%	0.4996
1937	0.6456	0.3482	0.1755	0.2819	0.9009	1.0000	0.3681
1938	0.7776	0.0021	0.2747	0.3763	0.6569	0.1806	0.4928
1939	0.5913	0.5306	0.2970	0.3159	0.8488	0.8023	0.4440
1940	0.7120	0.0009	0.2240	0.2027	0.8276	0.8090	0.3772
1941	0.7605	0.5741	0.2503	0.2568	0.9394	0.7873	0.4589
1942	0.8828	0.0150	0.3120	0.1852	0.8744	1.0000	0.6392
1943	0.3991	0.1870	0.4233	0.1589	0.7113	0.8454	0.2983
1944	0.7973	0.0039	0.2752	0.2661	0.8785	0.8825	0.4832

a. Unadjusted canned pack from Table 16 in Statistical Basebook Series No. 3 (Anon 1958). The adjusted canned packs used to calculate the ratios are from Table F35a.
b. 100% means that all landings were transferred out.

Table F36a. Fraser River salmon and steelhead production by product category (excluding canned salmon) and estimates of equivalent landed weight, 1933-1944.[a]

	Green Landed Weight				Salmon Products							Estimated Green Landed Weight of Products (tonnes)						
Year	DBS Total GLW	DBS Total GLW	GLW from Canned	Difference	Dry Salted	Pickled	Fresh/Frozen		Smoked	Mild Cured	Bait	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
							Companies	Fishermen										
	(cwt)	(mt)	(cwt)	(cwt)	(lb)	(barrels	(lb)	(lb)	(lb)	(lb)	(lb)							
1933	288,899	13,104	209,087	79,812	2,217,100	80	5,735,300	3,321,200	43,900	661,000	-	57	601	899	449	1,574	40	3,620
1934	343,792	15,594	222,452	121,340	3,741,500	-	4,152,500	1,226,300	13,900	787,700	-	51	478	2,672	690	1,593	21	5,505
1935	349,063	15,833	177,339	171,724	4,625,500	-	11,061,300	445,200	19,300	956,900	-	181	669	3,360	972	2,576	32	7,790
1936	302,265	13,711	195,533	106,732	5,473,100	-	4,160,300	1,172,000	16,800	440,300	-	320	57	2,900	377	1,158	29	4,841
1937	302,135	13,705	162,514	139,621	3,493,800	-	9,951,100	1,195,300	18,100	1,066,400	-	25	465	2,968	528	2,315	33	6,334
1938	324,196	14,706	211,950	112,246	2,084,300	-	6,803,100	550,200	13,900	1,014,800	-	52	51	2,451	486	2,009	42	5,091
1939	285,151	12,934	180,825	104,326	-	-	4,584,300	6,070,900	-	1,411,500	-	127	263	1,018	609	2,656	59	4,732
1940	169,369	7,683	114,605	54,764	-	-	10,398,500	3,604,500	11,700	292,900	-	35	76	948	471	928	26	2,484
1941	319,952	14,513	324,177	(4,225)	-	-	7,609,900	1,987,500	30,100	539,600	-	-	-	-	-	-	-	-
1942	467,909	21,224	417,430	50,479	-	-	4,330,000	1,755,700	23,000	522,100	-	33	51	730	263	1,193	19	2,289
1943	125,933	5,712	100,322	25,611	-	-	4,617,300	2,175,300	10,300	559,500	-	18	60	369	210	492	12	1,161
1944	109,823	4,982	102,633	7,190	-	-	6,871,300	2,670,100	191,300	1,687,000	-	4	7	80	72	161	2	326

a. Total GLW from DBS reports; Canned Pack GLW converted from tonnes in Table F35a. The difference between Total GLW and Canned Pack GLW was allocated to species using species proportions (Table E21) computed from product data on Schedules for District I (Fraser River).

Table F36b. Fraser River canned packs and products expressed in tonnes of GLW unadjusted for transfers, adjusted for transfers, and scaled to equal DBS GLW, 1933 to 1944. [a]

	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
	1) Canned Pack GLW Unadjusted for Transfers							**2) Other Products GLW Unadjusted for Transfers**						
1933	2,038	5,451	2,946	1,486	407	-	12,328	92	972	1,455	727	2,548	65	5,859
1934	5,547	1,366	8,357	2,031	641	-	17,942	47	444	2,480	640	1,478	19	5,108
1935	2,912	6,955	2,757	2,729	468	-	15,821	198	731	3,670	1,062	2,813	35	8,509
1936	6,312	908	7,184	2,739	610	0.2	17,753	385	69	3,495	455	1,396	35	5,835
1937	3,930	9,617	4,544	1,702	230	1	20,024	30	571	3,645	648	2,843	40	7,777
1938	8,302	1,138	6,913	2,905	249	3	19,510	53	52	2,512	498	2,059	43	5,217
1939	2,790	7,799	5,449	3,084	270	3	19,395	155	322	1,246	746	3,252	73	5,794
1940	4,613	505	6,815	2,325	205	7	14,470	92	202	2,505	1,243	2,451	68	6,561
1941	7,501	6,823	13,740	4,193	1,376	12	33,645	50	184	1,926	704	1,851	29	4,744
1942	18,061	346	10,087	2,172	423	12	31,101	45	70	1,000	360	1,633	27	3,135
1943	2,763	6,191	4,856	2,012	186	11	16,019	55	179	1,104	628	1,469	35	3,470
1944	4,093	1,286	1,921	2,257	545	13	10,115	67	121	1,377	1,244	2,772	43	5,624
	3) Total District I GLW adjusted for Transfers							**4) Total District I GLW adjusted for Transfers and Scaled to Equal DBS GLW**						
1933	2,157	4,165	4,401	794	2,955	51	14,523	1,946	3,758	3,971	716	2,666	46	13,103
1934	5,116	17	5,093	631	1,970	15	12,842	6,212	21	6,184	766	2,392	18	15,593
1935	2,328	4,687	731	1,320	2,510	27	11,603	3,176	6,396	997	1,802	3,425	37	15,833
1936	6,647	0	1,737	1,003	1,895	28	11,310	8,058	0	2,105	1,216	2,298	34	13,711
1937	2,556	3,548	1,437	663	2,768	41	11,013	3,181	4,415	1,789	825	3,445	51	13,706
1938	6,497	3	2,589	1,281	1,516	8	11,894	8,033	3	3,201	1,583	1,875	10	14,705
1939	1,741	4,309	1,989	1,210	2,989	61	12,299	1,831	4,531	2,091	1,272	3,144	64	12,933
1940	3,351	1	2,087	723	2,198	60	8,420	3,057	1	1,904	660	2,006	55	7,683
1941	5,743	4,022	3,922	1,258	3,031	32	18,008	4,628	3,242	3,161	1,014	2,443	26	14,514
1942	15,985	6	3,458	469	1,797	39	21,754	15,595	6	3,374	457	1,754	38	21,224
1943	1,124	1,192	2,523	420	1,177	39	6,475	992	1,051	2,226	370	1,039	34	5,712
1944	3,317	5	908	931	2,914	49	8,124	2,034	3	556	571	1,787	30	4,981

a. Source: 1) Canned pack in Table 35a converted to GLW in mt; 2) Product amounts in Table 36a converted to GLW by species using species proportions in Table E21; 3) canned pack plus product GLW times correction factors in Table 35a, except 1937-1944 average, 0.7884, used for steelhead in 1933 to 1936; 4) Adjusted GLWs scaled to total the annual DBS GLW in Table 36a.

Table F37. Net transfer of salmon and steelhead used for canning for the Nass River, 1925-1929[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
			CWT LANDED IN AREA				
1925	17,095	30,139	19,737	6,878	5,347	395	79,591
1926	13,380	36,868	12,929	3,590	5,010	315	72,092
1927	10,068	13,952	2,778	3,230	3,319	81	33,428
1928	4,669	80,638	3,856	15,122	1,809	30	106,124
1929	13,731	8,826	1,059	1,004	344	-	24,964
			CWT CANNED IN AREA				
1925	15,914	29,005	18,903	6,490	4,071	384	74,767
1926	13,380	42,685	12,929	3,590	5,010	315	77,909
1927	10,068	13,952	2,778	3,230	3,314	81	33,423
1928	4,654	69,874	2,972	9,017	1,551	30	88,098
1929	13,505	8,687	1,018	962	344	-	24,516
			NET TRANSFERS (out of area)				
1925	(1,181)	(1,134)	(834)	(388)	(1,277)	(11)	(4,825)
1926	0	5,816	0	0	0	0	5,816
1927	0	0	0	0	(5)	0	(5)
1928	(15)	(10,765)	(885)	(6,105)	(259)	0	(18,029)
1929	(227)	(139)	(41)	(42)	0	-	(449)

a. Source: Tables 15 and 16 in Anon (1958). Values above for CWT CANNED IN AREA, when converted to cwt, differ slightly from values for the canned pack in main text Table 8 due to different sources for the data in each table.

Table F38. Net transfer of salmon and steelhead used for canning for the Skeena River, 1925-1929[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
			CWT LANDED IN AREA				
1925	65,339	106,870	8,977	31,944	18,417	588	232,135
1926	69,138	143,292	38,961	25,329	17,314	642	294,676
1927	70,550	32,679	8,111	21,176	15,768	543	148,827
1928	29,000	161,122	9,905	15,751	4,625	194	220,597
1929	65,280	79,671	3,045	31,196	3,880	11	183,083
			CWT CANNED IN AREA				
1925	68,165	109,270	62,419	32,901	19,694	599	293,048
1926	69,180	176,454	53,363	25,376	17,314	642	342,329
1927	70,547	32,559	15,674	21,523	16,827	487	157,617
1928	29,030	176,046	14,911	25,363	5,363	202	250,915
1929	65,534	80,056	4,061	31,463	3,880	11	185,005
			NET TRANSFERS (out of area)				
1925	2,826	2,400	53,442	957	1,277	11	60,913
1926	42	33,162	14,402	47	0	0	47,653
1927	(3)	(119)	7,563	348	1,059	(55)	8,793
1928	29	14,924	5,006	9,612	738	8	30,317
1929	255	386	1,016	267	0	0	1,924

a. Source: Tables 15 and 16 in Anon (1958). Values above for CWT CANNED IN AREA, when converted to cwt, differ slightly from values for the canned pack in main text Table 9 due to different sources for the data in each table.

Table F39. Net transfer of salmon and steelhead used for canning for the North Coast, 1925-1929.

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
RIVERS INLET TRANSFERS (to North Coast)							
1925	(25,708)	798	(20)	(18)	(158)	(8)	(25,114)
1926	(12,799)	4,208	(2,469)	(2,436)	(118)	(13)	(13,627)
1927	(11,683)	16	(1,184)	(416)	(118)	(2)	(13,387)
1928	(3,768)	11,401	(4,682)	(7,277)	(258)	0	(4,584)
1929	(1,578)	107	(4,574)	(5,821)	(338)	(5)	(12,209)
SKEENA RIVER PLUS NASS RIVER NET TRANSFERS (to North Coast)							
1925	1,645	1,266	52,608	569	0	0	56,088
1926	42	38,978	14,402	47	0	0	53,469
1927	(3)	(119)	7,563	348	1,054	(55)	8,788
1928	14	4,160	4,121	3,507	480	8	12,290
1929	28	247	975	225	0	0	1,475
NORTH COAST NET TRANSFERS (out of area)[a]							
1925	24,063	(2,064)	(52,587)	(551)	158	8	(30,973)
1926	12,757	(43,186)	(11,933)	2,389	118	13	(39,842)
1927	11,686	103	(6,378)	68	(936)	57	4,600
1928	3,754	(15,561)	561	3,770	(222)	(8)	(7,706)
1929	1,551	(354)	3,599	5,596	338	5	10,735

a. North Coast Net Transfers = - (Skeena River Net Transfers + Nass River Net Transfers + Rivers Inlet Net Transfers)

Table F40. Net transfer of salmon and steelhead used for canning for Rivers and Smith Inlets, 1920-1929.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
CWT LANDED IN AREA							
1920	119,946	21,999	1,030	2,454	1,519	-	146,948
1921	42,713	2,566	145	3,406	361	-	49,191
1922	57,807	20,421	261	1,031	271	-	79,791
1923	99,542	8,448	2,727	1,282	503	-	112,502
1924	77,082	12,687	4,123	1,584	525	27	96,028
1925	168,996	6,447	9,661	4,105	648	8	189,865
1926	75,487	7,134	12,340	8,692	793	23	104,469
1927	84,885	1,162	4,223	4,599	1,104	16	95,989
1928	78,423	2,629	7,728	8,199	889	11	97,879
1929	66,820	2,614	5,490	6,947	746	39	82,656
CWT CANNED IN AREA							
1920	111,926	21,999	1,030	2,454	1,519	-	138,928
1921	41,772	4,482	145	4,019	378	81	50,877
1922	55,875	20,421	261	1,031	271	-	77,859
1923	94,374	8,448	2,727	1,282	503	-	107,334
1924	77,082	12,687	4,123	1,584	525	27	96,028
1925	143,288	7,245	9,641	4,087	490	-	164,751
1926	62,688	11,343	9,871	6,256	675	9	90,842
1927	73,202	1,178	3,038	4,183	985	14	82,600
1928	74,655	14,031	3,046	922	631	11	93,296
1929	65,242	2,721	916	1,126	408	34	70,447
NET TRANSFERS (to North Coast)							
1920	(8,020)	0	0	0	0	-	(8,020)
1921	(941)	1,916	0	612	17	81	1,685
1922	(1,932)	0	0	0	0	-	(1,932)
1923	(5,168)	0	0	0	0	-	(5,168)
1924	0	0	0	0	0	0	0
1925	(25,708)	798	(20)	(18)	(158)	(8)	(25,114)
1926	(12,799)	4,208	(2,469)	(2,436)	(118)	(13)	(13,627)
1927	(11,683)	16	(1,184)	(416)	(118)	(2)	(13,387)
1928	(3,768)	11,401	(4,682)	(7,277)	(258)	0	(4,584)
1929	(1,578)	107	(4,574)	(5,821)	(338)	(5)	(12,209)

a. Source: Tables 15 and 16 in Anon (1958). Values above for CWT CANNED IN AREA, when converted to cwt, differ slightly from values for the canned pack in main text Table 11 due to different sources for the data in each table.

Table F41. Landings adjustment factors for the Queen Charlotte Islands, 1925-1929.
Landings in text main Tables 7 & 17 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM PRODUCT DATA (tonnes)							
1925	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1926	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1927	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1928	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1929	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
LANDINGS FROM CANNED/PRODUCT DATA from Tables 7 & 17 (not adjusted for transfers) (tonnes)							
1925	1	101	4,388	82	11	-	4,583
1926	27	7,640	9,237	142	21	-	17,067
1927	15	12	6,390	215	92	-	6,724
1928	1	6,371	5,288	290	17	-	11,967
1929	-	34	1,358	85	-	-	1,477
LANDINGS ADJUSTMENT FACTORS[b]							
1925	1.1381	1.0974	1.0127	2.4577	24.3150	100%	1.0958
1926	1.0074	1.0013	1.0061	1.8461	12.7824	100%	1.0257
1927	1.0137	1.8013	1.0087	1.5560	3.7356	100%	1.0653
1928	1.1381	1.0015	1.0106	1.4127	16.1334	100%	1.0367
1929	100%	1.2923	1.0411	2.4018	100%	100%	1.2972

a. See Appendix F, Section 6.3 for calculation methods.

b. 100% means that all landings were assumed to have been transferred out.

Table F42. Landings adjustment factors for the Nass River, 1925-1929.
Landings in main text Tables 8 & 18 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1925	(54)	(57)	(69)	(86)	(228)	(12)	(506)
1926	(0.1)	258	(32)	(68)	(170)	(12)	(24)
1927	(0.1)	(6)	(32)	(68)	(170)	(12)	(288)
1928	(1)	(494)	(72)	(345)	(182)	(12)	(1,106)
1929	(10)	(12)	(33)	(70)	(170)	(12)	(307)
LANDINGS FROM CANNED/PRODUCT DATA from Tables 8 & 18 (not adjusted for transfers) (tonnes)							
1925	723	1,357	858	306	137	9	3,390
1926	607	1,936	586	163	227	14	3,533
1927	458	633	128	151	146	4	1,520
1928	211	3,169	135	409	70	1	3,995
1929	613	394	46	46	13	-	1,112
LANDINGS ADJUSTMENT FACTORS[b]							
1925	1.0743	1.0422	1.0809	1.2805	2.6590	2.3386	1.1493
1926	1.0002	0.8668	1.0539	1.4194	1.7486	1.8399	1.0068
1927	1.0002	1.0093	1.2468	1.4520	2.1690	4.2807	1.1895
1928	1.0037	1.1559	1.5320	1.8440	3.5852	9.7485	1.2768
1929	1.0170	1.0309	1.7247	2.5329	13.6829	100%	1.2761

a. See Appendix F, Section 6.3 for calculation methods.

b. 100% means that all landings were assumed to have been transferred out.

Table F43. Landings adjustment factors for the Skeena River, 1925-1929.
Landings in main text Tables 9 & 19 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1925	128	125	2,511	231	479	14	3,488
1926	2.2	1,520	741	190	422	14	2,889
1927	0.1	10	430	204	470	11	1,125
1928	1.6	693	315	624	455	14	2,103
1929	12	33	134	200	422	14	815
LANDINGS FROM CANNED/PRODUCT DATA from Tables 9 & 19 (not adjusted for transfers) (tonnes)							
1925	3,092	4,960	3,335	2,030	3,105	27	16,549
1926	3,139	8,022	2,853	1,660	1,845	205	17,724
1927	3,201	1,497	957	1,396	1,937	280	9,268
1928	1,321	8,034	1,107	2,266	1,561	193	14,482
1929	2,976	3,686	399	2,290	1,069	115	10,535
LANDINGS ADJUSTMENT FACTORS							
1925	0.9585	0.9749	0.2471	0.8860	0.8456	0.4664	0.7892
1926	0.9993	0.8106	0.7404	0.8854	0.7715	0.9316	0.8370
1927	1.0000	0.9931	0.5501	0.8540	0.7575	0.9589	0.8786
1928	0.9988	0.9138	0.7158	0.7246	0.7086	0.9253	0.8548
1929	0.9960	0.9910	0.6651	0.9126	0.6059	0.8788	0.9226

a. See Appendix F, Section 6.3 for calculation methods.

Table F44. Landings adjustment factors for the North Coast, 1925-1929.
Landings in main text Tables 10 & 20 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1925	1,091	(94)	(2,385)	(25)	7	0.4	(1,406)
1926	579	(1,958)	(541)	108	5	1	(1,806)
1927	530	5	(289)	3	(42)	3	210
1928	170	(706)	25	171	(10)	(0.4)	(350)
1929	70	(16)	163	254	15	0.2	486
LANDINGS FROM CANNED/PRODUCT DATA from Tables 10 & 20 (not adjusted for transfers) (tonnes)							
1925	2,310	3,369	7,586	988	305	33	14,591
1926	1,687	5,637	6,238	1,507	265	38	15,372
1927	1,133	1,304	3,833	1,263	436	33	8,002
1928	891	8,911	9,422	1,583	145	23	20,975
1929	1,257	4,315	3,225	1,703	95	22	10,617
LANDINGS ADJUSTMENT FACTORS							
1925	0.5277	1.0278	1.3144	1.0253	0.9766	0.9883	1.0964
1926	0.6570	1.3475	1.0868	0.9281	0.9799	0.9840	1.1175
1927	0.5321	0.9964	1.0755	0.9976	1.0973	0.9217	0.9738
1928	0.8090	1.0792	0.9973	0.8920	1.0696	1.0167	1.0167
1929	0.9441	1.0037	0.9494	0.8510	0.8384	0.9895	0.9542

a. See Appendix F, Section 6.3 for calculation methods.

Table F45. Landings adjustment factors for Rivers and Smith Inlets, 1920-1929.
Landings in main text Tables 11 & 21 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1920	(364)	0	0	0	0	-	(364)
1921	(43)	87	0	28	1	4	77
1922	(88)	0	0	0	0	-	(88)
1923	(234)	0	0	0	0	-	(234)
1924	0	0	0	0	0	0	0
1925	(1,166)	36	(1)	(1)	(7)	(0.4)	(1,139)
1926	(580)	191	(112)	(110)	(5)	(1)	(617)
1927	(530)	1	(54)	(19)	(5)	(0.1)	(607)
1928	(171)	517	(212)	(330)	(12)	0	(208)
1929	(72)	5	(207)	(264)	(15)	(0.2)	(553)
LANDINGS FROM CANNED/PRODUCT DATA from Tables 11 & 21 (not adjusted for transfers) (tonnes)							
1920	4,981	1,073	51	122	75	-	6,302
1921	1,885	211	15	204	31	7	2,353
1922	2,469	988	13	49	13	-	3,532
1923	4,281	383	203	58	23	-	4,948
1924	3,498	576	214	75	20	-	4,383
1925	6,503	327	445	188	19	-	7,482
1926	2,843	515	448	284	30	0.4	4,120
1927	3,324	53	141	192	36	1	3,747
1928	3,420	611	132	40	28	0.5	4,231
1929	2,966	120	156	52	16	2	3,312
LANDINGS ADJUSTMENT FACTORS[b]							
1920	1.0730	1.0000	1.0000	1.0000	1.0000	-	1.0578
1921	1.0226	0.5890	1.0000	0.8636	0.9755	0.4585	0.9673
1922	1.0355	1.0000	1.0000	1.0000	1.0000	-	1.0249
1923	1.0547	1.0000	1.0000	1.0000	1.0000	-	1.0473
1924	1.0000	1.0000	1.0000	1.0000	1.0000	-	1.0000
1925	1.1793	0.8893	1.0021	1.0043	1.3805	100%	1.1522
1926	1.2041	0.6291	1.2499	1.3892	1.1756	2.4543	1.1498
1927	1.1594	0.9864	1.3813	1.0981	1.1485	1.1176	1.1620
1928	1.0500	0.1542	2.6065	9.2175	1.4239	1.0000	1.0492
1929	1.0241	0.9597	2.3288	6.1021	1.9827	1.1500	1.1670

a. See Appendix F, Section 6.3 for calculation methods.

b. 100% means that all landings were assumed to have been tranferred out.

Table F46. Comparison of DBS and DMF total GLWs (cwt), 1930-1933.[a]

Area	1930			1931		
	DBS	DMF Prince Rupert	DMF/DBS	DBS	DMF Prince Rupert	DMF/DBS
Queen Charlotte Is.	274,393	277,655	1.0119	20,243	37,888	1.8717
Naas River	95,306	122,097	1.2811	12,595	36,272	2.8799
Skeena River	457,911	348,098	0.7602	209,374	156,925	0.7495
North Coast	456,290	527,573	1.1562	174,905	199,386	1.1400
Rivers/Smith Inlets	154,876	163,434	1.0553	81,665	96,051	1.1762
Grand Total	1,438,776	1,438,857	1.0001	498,782	526,522	1.0556
District II Net Transfers	(81)			(27,740)		
	1932			1933[b]		
Queen Charlotte Is.	6,747	29,979	4.4433	72,884	73,034	1.0021
Naas River	71,964	125,639	1.7459	95,183	95,183	1.0000
Skeena River	251,791	152,743	0.6066	139,368	139,368	1.0000
North Coast	259,849	245,561	0.9450	239,504	236,610	0.9879
Rivers/Smith Inlets	110,030	113,366	1.0303	126,272	126,272	1.0000
Grand Total	700,381	667,288	0.9528	673,211	670,467	0.9959
District II Net Transfers[c]	33,093					

a. Source: Main text Tables 28 to 32.

b. Both sets of 1933 data have been adjusted for transfers; small differences are likely due to revisions that were made to DMF data after DBS data were published.

c. DBS Grand Total less DMF Grand Total.

Table F47. Landings adjustment factors for Johnstone Strait, 1934-1939.
Landings in text Table 49 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1934	(113)	(1,580)	(1,838)	(927)	(138)	1	(4,595)
1935	(129)	(1,864)	(1,619)	(1,245)	(104)	(1)	(4,962)
1936	(381)	(1,153)	(5,094)	(1,100)	(156)	(2)	(7,886)
1937	(666)	(6,296)	(2,788)	(828)	(25)	(1)	(10,605)
1938	(632)	(1,099)	(2,293)	(1,163)	(75)	(1)	(5,262)
1939	81	(3,168)	(2,278)	(454)	(42)	(5)	(5,868)
LANDINGS FROM CANNED/PRODUCT DATA (not adjusted for transfers) (tonnes)							
1934	217	2,628	2,052	1,078	194	2	6,173
1935	508	3,803	2,766	1,572	278	1	8,929
1936	955	1,603	1,555	1,312	435	4	5,864
1937	902	5,218	1,998	559	397	3	9,079
1938	301	1,503	2,059	948	304	5	5,120
1939	683	4,507	1,426	1,649	133	1	8,399
LANDINGS ADJUSTMENT FACTORS							
1934	1.5187	1.6012	1.8954	1.8592	1.7112	0.6456	1.7444
1935	1.2535	1.4901	1.5855	1.7918	1.3737	1.7500	1.5558
1936	1.3989	1.7197	4.2762	1.8384	1.3579	1.4632	2.3449
1937	1.7384	2.2066	2.3949	2.4820	1.0630	1.2838	2.1681
1938	3.1023	1.7309	2.1135	2.2267	1.2452	1.1863	2.0277
1939	0.8817	1.7030	2.5980	1.2756	1.3190	4.1818	1.6986

a. See Appendix F, Section 6.5 for calculation methods.

Table F48. Landings adjustment factors for the Strait of Georgia, 1934-1939.
Landings in text Table 50 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA							
(tonnes)							
1934	(26)	(22)	(790)	(504)	0.1	-	(1,342)
1935	(97)	(481)	(818)	(263)	(75)	-	(1,734)
1936	157	34	(15)	(256)	1	-	(79)
1937	(69)	(416)	(638)	(359)	(2)	-	(1,483)
1938	-	-	(2,863)	(423)	-	-	(3,286)
1939	-	(104)	(556)	(1,360)	(57)	-	(2,076)
LANDINGS FROM CANNED/PRODUCT DATA							
(not adjusted for transfers)							
(tonnes)							
1934	113	265	1,526	370	88	-	2,363
1935	47	520	1,453	537	139	-	2,696
1936	185	35	2,142	757	162	-	3,282
1937	3	76	1,369	552	482	0.1	2,482
1938	0.05	0.05	528	67	31	-	627
1939	1	1	29	154	135	-	320
LANDINGS ADJUSTMENT FACTORS							
1934	1.2312	1.0833	1.5175	2.3617	0.9985	-	1.5680
1935	3.0780	1.9251	1.5628	1.4896	1.5387	-	1.6431
1936	0.1549	0.0070	1.0072	1.3375	0.9958	-	1.0242
1937	26.0984	6.4800	1.4659	1.6502	1.0032	1.0000	1.5977
1938	1.0000	1.0000	6.4203	7.2786	1.0000	-	6.2424
1939	1.0000	135.3529	19.8631	9.8344	1.4216	-	7.4979

a. See Appendix F, Section 6.5 for calculation methods.

Table F49. Landings adjustment factors for Juan de Fuca Strait, 1934-1939.
Landings in text Table 51 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA							
(tonnes)							
1934	(83)	-	-	245	308	-	470
1935	-	(109)	5	98	47	-	41
1936	84	-	218	-	49	-	351
1937	(26)	(64)	57	18	63	-	48
1938	(15)	-	14	199	108	-	306
1939	(54)	(216)	(0.4)	84	26	(0.2)	(161)
LANDINGS FROM CANNED/PRODUCT DATA							
(not adjusted for transfers)							
(tonnes)							
1934	233	0.4	30	263	411	3	940
1935	214	594	17	269	407	4	1,507
1936	235	-	241	133	249	5	864
1937	235	322	68	108	285	2	1,019
1938	144	2	102	212	278	7	745
1939	107	198	95	191	301	5	896
LANDINGS ADJUSTMENT FACTORS							
1934	1.3571	1.0000	1.0000	0.0676	0.2496	1.0000	0.5000
1935	1.0000	1.1837	0.6875	0.6366	0.8853	1.0000	0.9729
1936	0.6436	-	0.0940	1.0000	0.8047	1.0000	0.5938
1937	1.1116	1.1977	0.1529	0.8361	0.7802	1.0000	0.9531
1938	1.1054	1.0000	0.8663	0.0625	0.6096	1.0000	0.5897
1939	1.5081	2.0920	1.0038	0.5602	0.9140	1.0370	1.1797

a. See Appendix F, Section 6.5 for calculation methods.

Table F50. Landings adjustment factors for the West Coast of Vancouver Island, 1934-1939. Landings in text Table 52 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA							
(tonnes)							
1934	227	17	(1,802)	(74)	(182)	-	(1,814)
1935	(7)	96	(608)	(126)	(29)	-	(673)
1936	259	(63)	(3,602)	252	(62)	(18)	(3,234)
1937	(175)	(2,313)	980	49	3	-	(1,455)
1938	(265)	(78)	(965)	(306)	(12)	-	(1,626)
1939	(29)	93	(981)	(552)	(0.3)	-	(1,469)
LANDINGS FROM CANNED/PRODUCT DATA							
(not adjusted for transfers)							
(tonnes)							
1934	902	135	4,206	932	1,252	-	7,427
1935	320	126	4,584	1,795	2,114	0.1	8,939
1936	755	594	8,154	1,124	1,225	0.1	11,851
1937	323	283	4,064	779	1,231	3	6,684
1938	161	93	5,262	1,298	889	6	7,710
1939	63	103	2,597	1,315	1,102	2	5,182
LANDINGS ADJUSTMENT FACTORS							
1934	0.7483	0.8770	1.4285	1.0793	1.1450	-	1.2443
1935	1.0204	0.2362	1.1325	1.0704	1.0137	1.0000	1.0753
1936	0.6574	1.1055	1.4417	0.7760	1.0509	134.3333	1.2729
1937	1.5421	9.1636	0.7588	0.9370	0.9973	1.0000	1.2177
1938	2.6453	1.8361	1.1834	1.2359	1.0138	1.0000	1.2109
1939	1.4638	0.0956	1.3779	1.4194	1.0002	1.0000	1.2835

a. See Appendix F, Section 6.5 for calculation methods.

Table F51. Salmon and steelhead catches during 1945-1950 (in hundredweight) from Schedule 1A forms.

Year	DBS Area	Area Name	Sockeye	Spring					Steelhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	3	Fraser River	58624	15811	5533		28865	50209	1211	350	22541	22891	78540	31561	243036
1946	3	Fraser River	200174	17173	3	312	19457	36945	1061	500	13040	13540	90	42157	293967
1947	3	Fraser River	21267	23858	568	152	13850	38428	728	2525	12114	14639	89597	35940	200599
1948	3	Fraser River	41713	15424	948	98	9992	26462	1357		16230	16230	120	30789	116671
1949	3	Fraser River	50495	16656	61	1040	17362	35118	886	426	10862	11288	67750	36157	201694
1950	3	Fraser River	36816	13961	108	392	15238	29699	593	10	17207	17217	245	106610	191180
1945	5	North Q.C.I.	2	5574			1022	6596		159	20943	21102	781	1044	29525
1946	5	North Q.C.I.	8	8990		1	1287	10278	5		18418	18418	4096	712	33517
1947	5	North Q.C.I.		5670		54	959	6683	3		11282	11282	172	335	18475
1948	5	North Q.C.I.	15	5283		18	834	6135			9711	9711	32836	3996	52693
1949	5	North Q.C.I.		3976			641	4617	1		11135	11135	345	6512	22610
1950	5	North Q.C.I.	16	4374		11	545	4930	5		12035	12035	39343	18735	75064
1945	6	South Q.C.I.		158				158			5348	5348	2991	12012	20509
1946	6	South Q.C.I.		93			8	101	6		4414	4414	4929	36621	46071
1947	6	South Q.C.I.		264			21	285			3764	3764	902	14376	19327
1948	6	South Q.C.I.		502		3	44	549			5576	5576	7714	53985	67824
1949	6	South Q.C.I.		614			52	666	1		4789	4789	2817	28408	36681
1950	6	South Q.C.I.	51	2262	26	1	186	2475	8		5288	5288	36650	125694	170166
1945	7	Naas River	7442	6467	28		1082	7577	187		26321	26321	29242	4118	74887
1946	7	Naas River	10756	7200		117	1387	8704	255		15606	15606	7526	13170	56017
1947	7	Naas River	8169	6234		63	1077	7374	176		11465	11465	4800	8764	40748
1948	7	Naas River	9868	5496		65	923	6484	162		14942	14942	8472	6739	46667
1949	7	Naas River	6900	3457		64	699	4220	317		7429	7428.5	28885	6350	54101
1950	7	Naas River	17900	1800		175	235	2210	281		7850	7850	15900	12400	56541
1945	8	Skeena River	78091	6473	598		1019	8090	1568		34762	34762	56337	7560	186408
1946	8	Skeena River	39619	9687	310	315	1446	11758	4386		33184	33184	9533	13719	112199
1947	8	Skeena River	24399	10372	102	171	1503	12148	1843		15590	15590	10826	8111	72917
1948	8	Skeena River	75992	10726		125	2024	12875	3864		23562	23562	44192	10597	171082
1949	8	Skeena River	49127	12328	197	323	2684	15532	1148		25493	25493	26672	5110	123082
1950	8	Skeena River	33735	6631		410	976	8017	1890		11000	11000	18140	9950	82732

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	9	Grenv.-Princ.	3739	436	4		90	530	6		4741	4741	15267	3692	27975
1946	9	Grenv.-Princ.	2609	1665		4	297	1966	12		3845	3845	5907	4188	18527
1947	9	Grenv.-Princ.	2059	4094		49	534	4677	5		3841	3841	1867	2581	15030
1948	9	Grenv.-Princ.	3055	1248		76	302	1626	7		1889	1889	17401	3010	26988
1949	9	Grenv.-Princ.	3088	1138		71	264	1473	13		4287	4287	12554	2994	24409
1950	9	Grenv.-Princ.	6739	1621		10	658	2289	63		1676	1676	14746	11141	36654
1945	10	Butedale	4959	348	4		170	522	21		18889	18889	140129	45038	209558
1946	10	Butedale	1918	1080		5	1041	2126	61	39	14451	14490	53675	49860	122130
1947	10	Butedale	4095	1498		22	455	1975	14		15434	15434	40122	81911	143551
1948	10	Butedale	4508	1021		46	708	1775	48		14008	14008	64653	120000	204992
1949	10	Butedale	4236	967		53	371	1391	21		14340	14340	63896	29668	113552
1950	10	Butedale	7522	1671		10	896	2577	111		5034	5034	11977	35259	62480
1945	11	Bella Bella	3807	790	62		1010	1862	158		10416	10416	76801	37534	130578
1946	11	Bella Bella	2456	2629		49	200	2878	200	27	7656	7683	4036	77644	94897
1947	11	Bella Bella	3906	1000		141	223	1364	197		15418	15418	27908	99312	148105
1948	11	Bella Bella	5780	1678	16	243	273	2210	358		17984	17984	33537	43067	102936
1949	11	Bella Bella	2691	1525	14	170	454	2163	244		19951	19950.5	40811	63321	129181
1950	11	Bella Bella	1152	2212		6	537	2755	115		9582	9582	14064	67737	95405
1945	12	Bella Coola	7200	73	51		39	163	266		7080	7080	58177	20974	93860
1946	12	Bella Coola	3537	1319		48	269	1636	517		5937	5937	9656	52637	73920
1947	12	Bella Coola	3571	191		10	40	241	143		3951	3951	14963	43078	65947
1948	12	Bella Coola	4051	1065		21	239	1325	402		2322	2322	15187	17849	41136
1949	12	Bella Coola	1536	639		8	207	854	137		4379	4379	24601	16870	48377
1950	12	Bella Coola	3739	709		17	118	844	496		13364	13364	86911	44363	149717
1945	13	Rivers Inlet	69717	183	529		163	875	249	20	14412	14432	7505	12652	105430
1946	13	Rivers Inlet	51460	677		69	154	900	281	32	7092	7124	1513	30536	91814
1947	13	Rivers Inlet	103954	283		10	66	359	218		4034	4034	7216	15872	131653
1948	13	Rivers Inlet	28249	489	17	62	151	719	326		7720	7720	6293	18153	61460
1949	13	Rivers Inlet	29866	776		16	190	982	216		4756	4756	9815	12408	58043
1950	13	Rivers Inlet	101977	1145	1	27	337	1510	226		6529	6529	10056	28105	148403

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	14	Smith Inlet	6627	16	1		3	20	21		408	408	1773	2811	11660
1946	14	Smith Inlet	12961	15		8	14	37	28		152	152	183	6284	19645
1947	14	Smith Inlet	27966	384		2	24	410	19		287	287	840	5954	35476
1948	14	Smith Inlet	7842	200	3	9	41	253	101		725	725	1185	2118	12224
1949	14	Smith Inlet	9862	83		2	33	118	48		592	592	2105	2098	14823
1950	14	Smith Inlet	29739	72		4	43	119	59		523	523	4206	6721	41367
1945	17	Alert Bay	4767	1971	6		613	2590	112	11	42642	42653	150288	97946	298356
1946	17	Alert Bay	25545	2238		23	745	3006	120	259	11734	11993	3938	114107	158709
1947	17	Alert Bay	11861	2534	312	8	582	3436	74	53	40439	40492	193617	172234	421714
1948	17	Alert Bay	9538	7601	383	33	4211	12228	216	303	41777	42080	32950	148227	245239
1949	17	Alert Bay	18016	6312	504	82	1994	8892	141	1032	32558	33590	122816	83000	266455
1950	17	Alert Bay	25704	7505	165	39	2482	10191	131	266	36305	36571	86867	189157	348621
1945	18	Quathiaski	255	2099	157		2002	4258	13	3095	9095	12190	12532	39400	68648
1946	18	Quathiaski	4828	2353		20	1910	4283	42	6245	2987	9232	1597	64899	84881
1947	18	Quathiaski	944	1622	36	236	1941	3835	11	1017	11458	12475	25430	47025	89720
1948	18	Quathiaski	491	1071	2	10	2339	3422	25	1216	4527	5743	2534	31375	43590
1949	18	Quathiaski	2158	1545	240	51	1838	3674	21	253	5478	5731	20629	32961	65174
1950	18	Quathiaski	2194	2636	12	25	2225	4898	20	2575	5672	8247	8945	57639	81943
1945	19	Comox		274	76		48	398	2	3777	2238	6015	58	14339	20812
1946	19	Comox		139	62		31	232	2	155	1041	1196	3	23608	25041
1947	19	Comox	154	371		3	30	404	5	668	1378	2046	1218	2465	6292
1948	19	Comox		890		5	818	1713	4	12688	566	13254	7	11752	26730
1949	19	Comox	178	947	7	24	2298	3276	2	3567	975	4542	2458	8134	18590
1950	19	Comox	780	725	4	5	65	799		1362	2200	3562	202	24266	29609
1945	20	Pender Harb.	131	1431	307		929	2667	150	1788	4172	5960	4150	7774	20832
1946	20	Pender Harb.	29	2037	13	15	860	2925	3	604	1700	2304	134	12269	17664
1947	20	Pender Harb.	1193	1032	45	17	964	2058		1005	1758	2763	20825	3622	30461
1948	20	Pender Harb.	67	877		12	1243	2132	1	1781	1858	3639	12	13087	18938
1949	20	Pender Harb.	46	1368	62	18	1845	3293	2	683	2614	3297	5765	10957	23360
1950	20	Pender Harb.	36	302	2	11	28	343	2	1640	872	2512	15	5217	8125

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	21	Nanaimo	107	2262	60		1107	3429	60	10333	6789	17122	1456	8566	30740
1946	21	Nanaimo	2492	1192	8	13	557	1770	9	4470	1934	6404	1	9116	19792
1947	21	Nanaimo	59	2074	68	121	568	2831	14	1150	2372	3522	6536	15605	28567
1948	21	Nanaimo	47	394	1	39	224	658	10	3359	3139	6498	46	20417	27676
1949	21	Nanaimo	226	1109		29	1304	2442	6	276	2377	2653	7817	8161	21305
1950	21	Nanaimo	1322	450	7	4	300	761	4	1819	6800	8619	59	31518	42283
1945	22	Victoria	1793	7702	54		3743	11499	202	4	9428	9432	15947	388	39261
1946	22	Victoria	44555	4717		3	1656	6376	162		4061	4061	168	2427	57749
1947	22	Victoria	678	2191	1		829	3021	83		5364	5364	30406	3146	42698
1948	22	Victoria	4129	4738			1081	5819	119		2834	2834	7	1160	14068
1949	22	Victoria	5561	4711		79	1429	6219	73	4	12070	12074	78002	5445	107374
1950	22	Victoria	20735	5726	180	98	1778	7782	107	248	11415	11663	388	5872	46547
1945	23	Nitinat	259					0			1866	1866	2118	638	4881
1946	23	Nitinat	1287	1			2	3			472	472		8941	10703
1947	23	Nitinat	333	66		1	3	70	8		707	707	992	2732	4842
1948	23	Nitinat	255	2				2			45	45	2	2741	3045
1949	23	Nitinat	410	573	87		94	754	11	21	1235	1256	995	40	3466
1950	23	Nitinat	205	872			26	898	1		1402	1402	4	2210	4720
1945	24	Alberni	110	8248			1186	9434	9		24730	24730	834	3979	39096
1946	24	Alberni	255	12270	29		2041	14340	45		10479	10479		27061	52180
1947	24	Alberni	374	12026	64	215	783	13088	13	10	18935	18945	792	4460	37672
1948	24	Alberni	1090	11041	4	26	2165	13236	31	11	19473	19484	76	21982	55899
1949	24	Alberni	3291	13373	111		3142	16626	5	92	19621	19713	265	30596	70496
1950	24	Alberni	2834	22000	1237	57	4400	27694	87		12225	12225	8	34000	76848
1945	25	Clayoquot Sd	138	4719			571	5290			6285	6285	93	2407	14213
1946	25	Clayoquot Sd	746	18031			4297	22328	38		7448	7448	1	4152	34713
1947	25	Clayoquot Sd	812	573			66	639	1		1916	1916	128	1452	4948
1948	25	Clayoquot Sd	120	3870		3	443	4316		14	4089	4103	26	5722	14287
1949	25	Clayoquot Sd	2673	9061	50		1345	10456		42	7555	7597	3380	62	24168
1950	25	Clayoquot Sd	203	8128	472	12	600	9212	2		6457	6457	13	4712	20599

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	26	Nootka Sd.	1	4063			647	4710			4301	4301	17	6690	15719
1946	26	Nootka Sd.	1109	2016			326	2342	9		3100	3100	1	18880	25441
1947	26	Nootka Sd.	23	1285	45	47	91	1468	2	2	2739	2741	25322	8572	38128
1948	26	Nootka Sd.	60	5829	5	5	976	6815	18	11	5564	5575	48	26365	38881
1949	26	Nootka Sd.	299	3300		1	474	3775	1	109	3653	3762	2012	46	9895
1950	26	Nootka Sd.		4399	114	10	865	5388	2		6673	6673	13	18500	30576
1945	27	Kyuquot Sd.	12	4848			570	5418			6288	6288		1343	13061
1946	27	Kyuquot Sd.	36	10364		1	1661	12026	24	58	13611	13669	23	7418	33196
1947	27	Kyuquot Sd.	8	2876	39	130	165	3210	2	14	3343	3357	117	5454	12148
1948	27	Kyuquot Sd.		11493		17	802	12312	1	11	12114	12125	11	7498	31947
1949	27	Kyuquot Sd.	104	13868			951	14819	1	26	7771	7797	1388	51	24160
1950	27	Kyuquot Sd.		4134	100	17	624	4875	4		5957	5957	13	14500	25349
1945	28	Quatsino Sd.		1607			115	1722			7338	7338		1544	10604
1946	28	Quatsino Sd.	3	4875		45	433	5353		192	4483	4675	1	3957	13989
1947	28	Quatsino Sd.	36	5700	900	20	431	7051	1	132	7268	7400	2220	2276	18984
1948	28	Quatsino Sd.	302	10873	65	154	928	12020		434	10080	10514	9	1863	24708
1949	28	Quatsino Sd.	93	3349			382	3731	2	25	5579	5604	1815	47	11292
1950	28	Quatsino Sd.		4500	100	10	4487	9097	9		6254	6254	4556	6050	25966
1945		Total B.C.	247781	75553	7470	0	44994	128017	4235	19537	291033	310570	655036	364010	#######
1946		Total B.C.	406383	110761	425	1048	40079	152313	7266	12581	186845	199426	107011	624363	#######
1947		Total B.C.	215861	86198	2180	1472	25205	115055	3560	6576	194857	201433	506816	585277	#######
1948		Total B.C.	197172	101811	1444	1070	30761	135086	7050	19828	220735	240563	267318	602492	#######
1949		Total B.C.	190856	101675	1333	2031	40053	145091	3297	6556	209498	216054	527593	389396	#######
1950		Total B.C.	293399	97835	2528	1351	37649	139363	4216	7920	192320	200240	353321	860356	#######